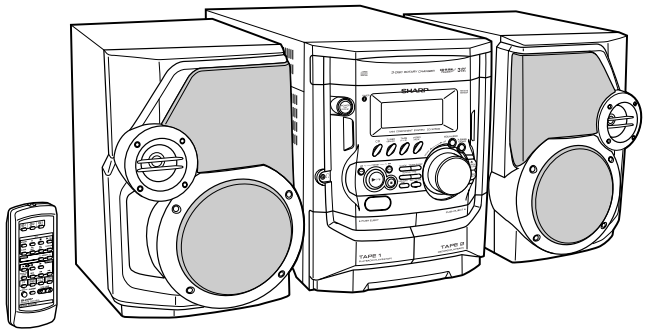
SHARP SERVICE MANUAL

No. S1205CDXP500/

MINI COMPONENT SYSTEM



MODEL CD-XP500

CD-XP500 Mini Component System consisting of CD-XP500 (main unit) and CP-XP500 (speaker system).

MINI COMPONENT SYSTEM

MODEL CD-XP5500

CD-XP5500 Mini Component System consisting of CD-XP5500 (main unit) and CP-XP5500 (speaker system).

COMPACT disc DIGITAL AUDIO

CD-R/RW Playable

3 000 DISC

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

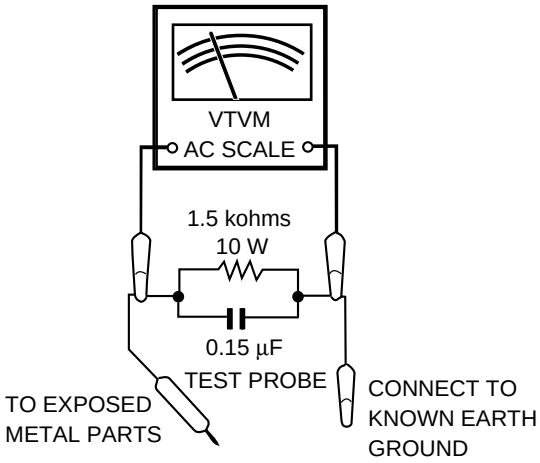
1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

* Plug the AC line cord directly into a 120 volt AC outlet.

* Using two clip leads, connect a 1.5 kohm, 10 watt resistor paralleled by a 0.15 μF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.

* Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).

* Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



All check must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

CD-XP500/CD-XP5500

■ General

Power source	AC 120 V, 60 Hz
Power consumption	130 W
Dimensions	Width: 10-5/8" (270 mm) Height: 13" (330 mm) Depth: 14-3/16" (360 mm)
Weight	17.4 lbs. (7.9 kg)

■ Amplifier

Output power	150 watts minimum RMS per channel into 6 ohms from 60 Hz to 20 kHz, 10% total harmonic distortion
Output terminals	Speakers: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms)
Input terminals	Video/Auxiliary (audio signal): 500 mV/47 kohms

■ CD player

Type	3-disc multi-play compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	1-bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

■ Tuner

Frequency range	FM: 87.5 - 108 MHz AM: 530 - 1,720 kHz

■ Cassette deck

Frequency response	50 - 14,000 Hz (Normal tape)
Signal/noise ratio	55 dB (TAPE 1, playback) 50 dB (TAPE 2, recording/playback)
Wow and flutter	0.3 % (WRMS)

CP-XP500/CP-XP5500

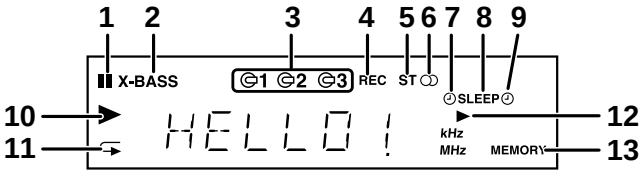
Type	Twin-Drive speaker system 2" (5 cm) Tweeter 5-1/8" (13 cm) Woofer × 2
Maximum input power	300 W
Rated input power	150 W
Impedance	6 ohms
Dimensions	Width: 8-11/16" (220 mm) Height: 13" (330 mm) Depth: 11" (280 mm)
Weight	10.3 lbs. (4.7 kg)/each

Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

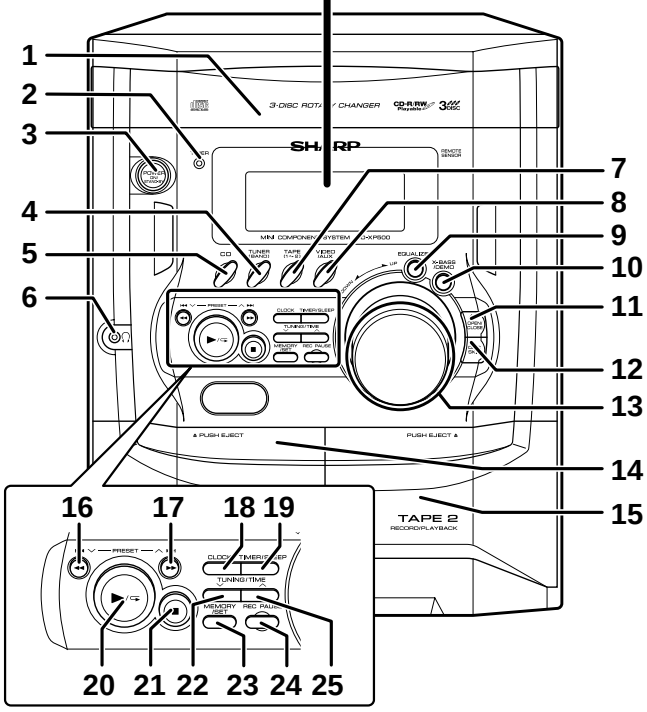
CD-XP500/CD-XP5500

■ Display



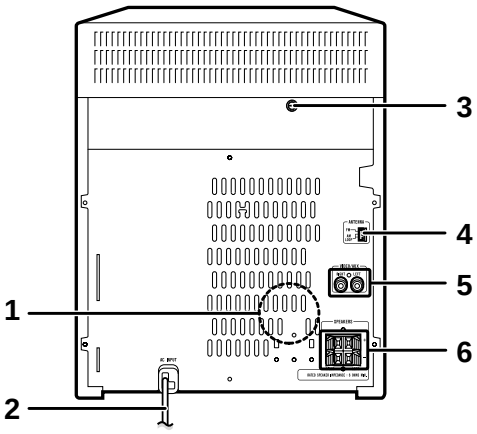
1. CD Pause Indicator
2. Extra Bass Indicator
3. Disc Number Indicators
4. Tape 2 Record Indicator
5. FM Stereo Mode Indicator
6. FM Stereo Receiving Indicator
7. Timer Play Indicator
8. Sleep Indicator
9. Timer Recording Indicator
10. CD Play Indicator
11. CD Repeat Play Indicator
12. Tape Play Indicator
13. Memory Indicator

■ Front panel



1. Disc Tray
2. Timer Set Indicator
3. Power On/Stand-by Button
4. Tuner (Band) Button
5. CD Button
6. Headphone Jack
7. Tape (1 ↔ 2) Button
8. Video/Auxiliary Button
9. Equalizer Mode Select Button
10. Extra Bass/Demo Mode Button
11. Disc Tray Open/Close Button
12. Disc Skip Button
13. Volume Control
14. Tape 1 Cassette Compartment
15. Tape 2 Cassette Compartment
16. CD Track Down or Fast Reverse, Tape 2 Rewind, Tuner Preset Down Button
17. CD Track Up or Fast Forward, Tape 2 Fast Forward, Tuner Preset Up Button
18. Clock Button
19. Timer/Sleep Button
20. CD Play or Repeat, Tape Play Button (with Indicator)
21. CD or Tape Stop Button (with Indicator)
22. Tuning and Time Down Button
23. Memory/Set Button
24. Tape 2 Record Pause Button
25. Tuning and Time Up Button

■ Rear panel



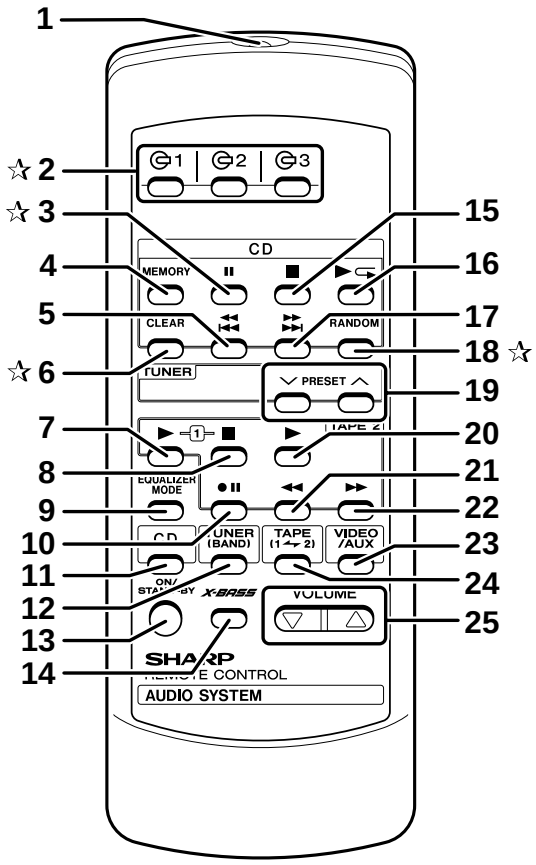
1. Cooling Fan
2. AC Power Cord
3. Transport Screw
4. FM/AM Loop Antenna Jack
5. Video/Auxiliary (Audio Signal) Input Jacks
6. Speaker Terminals

CD-XP500/CD-XP5500

■ Remote control

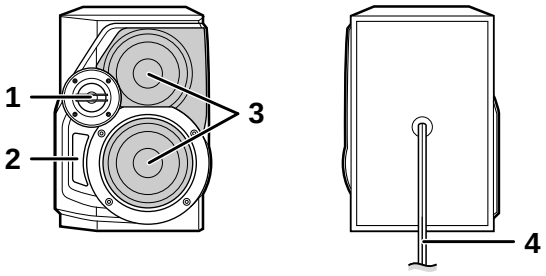
1. Remote Control Transmitter
2. Disc Number Select Buttons
3. CD Pause Button
4. CD Memory Button
5. CD Track Down or Fast Reverse Button
6. CD Clear Button
7. Tape 1 Play Button
8. Tape 1/Tape 2 Stop Button
9. Equalizer Mode Select Button
10. Tape 2 Record Pause Button
11. CD Button
12. Tuner (Band) Button
13. Power On/Stand-by Button
14. Extra Bass Button
15. CD Stop Button
16. CD Play or Repeat Button
17. CD Track Up or Fast Forward Button
18. CD Random Button
19. Tuner Preset Up and Down Buttons
20. Tape 2 Play Button
21. Tape 2 Rewind Button
22. Tape 2 Fast Forward Button
23. Video/Auxiliary Button
24. Tape (1→2) Button
25. Volume Up and Down Buttons

Buttons with "☆ " mark in the illustration can be operated on the remote control only.
Other buttons can be operated both on the main unit and the remote control.



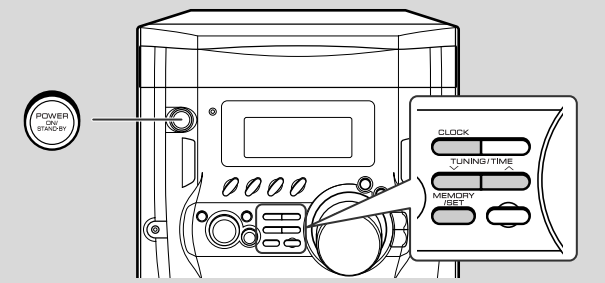
CP-XP500/CP-XP5500

1. Tweeter
2. Bass Reflex Duct
3. Woofer
4. Speaker Wire



OPERATION MANUAL

Setting the clock



In this example, the clock is set for the 12-hour (AM 12:00) display.

1 **Press the ON/STAND-BY button to turn the power on.**

2 **Press the CLOCK button and within 5 seconds, press the MEMORY/SET button.**

3 **Press the TUNING/TIME (∨or ∧) button to select 12-hour or 24-hour display and then press the MEMORY/SET button.**

"AM 12:00" → The 12-hour display will appear.
(AM 12:00 - PM 11:59)
"AM 0:00" → The 12-hour display will appear.
(AM 0:00 - PM 11:59)
"0:00" → The 24-hour display will appear.
(0:00 - 23:59)

Note that this can only be set when the unit is first installed or it has been reset. [Refer to "Clearing all the memory (reset)".]

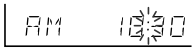
4 **Press the TUNING/TIME(∨ or ∧)button to adjust the hour and then press the MEMORY/SET button.**

- Press the TUNING/TIME (∨ or ∧) button once to advance the time by 1 hour. Hold it down to advance continuously.
- When the 12-hour display is selected, "AM" will change automatically to "PM".

5 **Press the TUNING/TIME (∨ or ∧) button to adjust the minutes and then press the MEMORY/SET button.**

- Press the TUNING/TIME(∨ or ∧) button once to advance the time by 1 minute. Hold it down to change the time in 5-minute intervals.
- The hour will not advance even if minutes advance from "59" to "00".
- The clock begins counting from "0" seconds. (Seconds are not displayed.) The time display will disappear after a few seconds.

To confirm the time display:
Press the CLOCK button.
The time display will appear for about 5 seconds.



Note:
The "CLOCK" or time will flash at the push of the CLOCK button when the AC power supply is restored after a power failure or unplugging the unit.
Readjust the clock as follows.

To readjust the clock:
Perform "Setting the clock" from step 1. If the time display is flashing, step 3 (for selecting the 12-hour or 24-hour display) will be skipped.

To change the 12-hour or 24-hour display:
1 Clear all the programmed contents. [Refer to "Clearing all the memory (reset)".]
2 Perform "Setting the clock" from step 1.

Troubleshooting chart

Many potential problems can be resolved by the owner without calling a service technician.
If something is wrong with this product, check the following before calling your authorized SHARP dealer or service center.

■ General

Symptom	Possible cause
● The clock is not on time.	● Did a power failure occur? Reset the clock.
● When a button is pressed, the unit does not respond.	● Set this unit to the power stand-by mode and then turn it back on. If the unit still malfunctions, reset it.
● No sound is heard.	● Is the volume level set to "0"? ● Are the headphones connected? ● Are the speaker wires disconnected?

■ CD player

Symptom	Possible cause
● Playback does not start. ● Playback stops in the middle or is not performed properly.	● Is the disc loaded upside down? ● Does the disc satisfy the standards? ● Is the disc distorted or scratched?
● Playback sounds are skipped, or stopped in the middle of a track.	● Is the unit located near excessive vibrations? ● Is the disc very dirty? ● Has condensation formed inside the unit?

■ Tuner

Symptom	Possible cause
● Radio makes unusual noise consecutively.	● Is the unit placed near the TV or computer? ● Is the FM/AM loop antenna placed properly? Move the AC power cord away from the antenna if located near.

■ Cassette deck

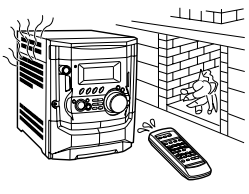
Symptom	Possible cause
● Cannot record.	● Is the erase-prevention tab removed?
● Cannot record tracks with proper sound quality. ● Cannot erase completely.	● Is it a normal tape? (You cannot record on a metal or CrO_2 tape.)
● Sound skipping. ● Cannot hear treble. ● Sound fluctuation.	● Is there any slack? ● Is the tape stretched? ● Are the capstans, pinch rollers, or heads dirty?
● Cannot remove the tape.	● If a power failure occurs during playback, the heads remain engaged with the tape. Do not open the compartment forcibly. Wait until electricity resumes.

■ Remote control

Symptom	Possible cause
● The remote control does not operate.	● Is the AC power cord of the unit plugged in? ● Is the battery polarity respected? ● Are the batteries dead? ● Is the distance or angle incorrect? ● Does the remote control sensor receive strong light?

■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pick-up, tape heads, etc.) or on the transmitter on the remote control.
Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc (or cassette) in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.



Troubleshooting chart

■ If trouble occurs

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

If such a problem occurs, do the following:

1 Set the unit to the stand-by mode and turn the power on again.
2 If the unit is not restored in the previous operation, unplug and plug in the unit, and then turn the power on.

Note:
If neither operation above restores the unit, clear all the memory by resetting it.

■ Clearing all the memory (reset)

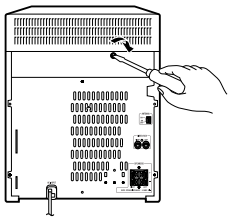
1 Press the ON/STAND-BY button to enter the power stand-by mode.
2 While pressing down the CLOCK button and the X-BASS/DEMO button, press the ON/STAND-BY button until "CLEAR AL" appears.

Caution:
This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD program.

■ Before transporting the unit

On the back of this unit is equipped with a transport screw in order to prevent damage during transportation.

1 Press the ON/STAND-BY button to turn the power on.
2 Press the CD button.
3 Press the ≜ OPEN/CLOSE button to open the disc tray.
Remove all CDs inserted in the unit.
4 Press the ≜ OPEN/CLOSE button to close the disc tray.
Make sure that "NO DISC" is displayed.
5 Press the ON/STAND-BY button to enter the stand-by mode, and then unplug the AC power cord from the AC outlet.
6 Insert the transport screw into the back of the unit and tighten it with a flat head screwdriver or a coin.

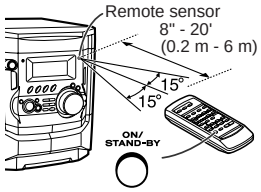


Remote control

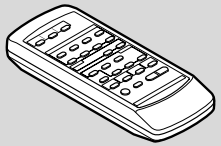
■ Test of the remote control

Point the remote control directly at the remote sensor on the unit.

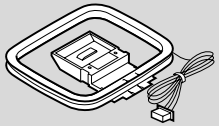
The remote control can be used within the range shown:
Press the ON/STAND-BY button. Does the power turn on? Now, you can enjoy the music.



1 Accessories
Accesorios



Remote control × 1
Controlador remoto × 1



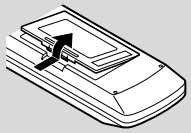
FM/AM loop antenna × 1
Antena de cuadro de FM/AM × 1

2 Remote control battery installation
Instalación de las pilas del controlador remoto

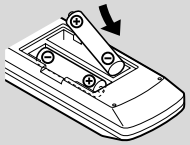
Use 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar).
Use dos pilas del tamaño "AA" (UM/SUM-3, R6, HP-7 o equivalentes).

Batteries are not included.
Las pilas no están incluidas.

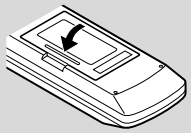
1 **Remove the battery cover.**
Extraiga la cubierta de las pilas.



2 **Insert the batteries as shown.**
Inserte las pilas como se muestra.

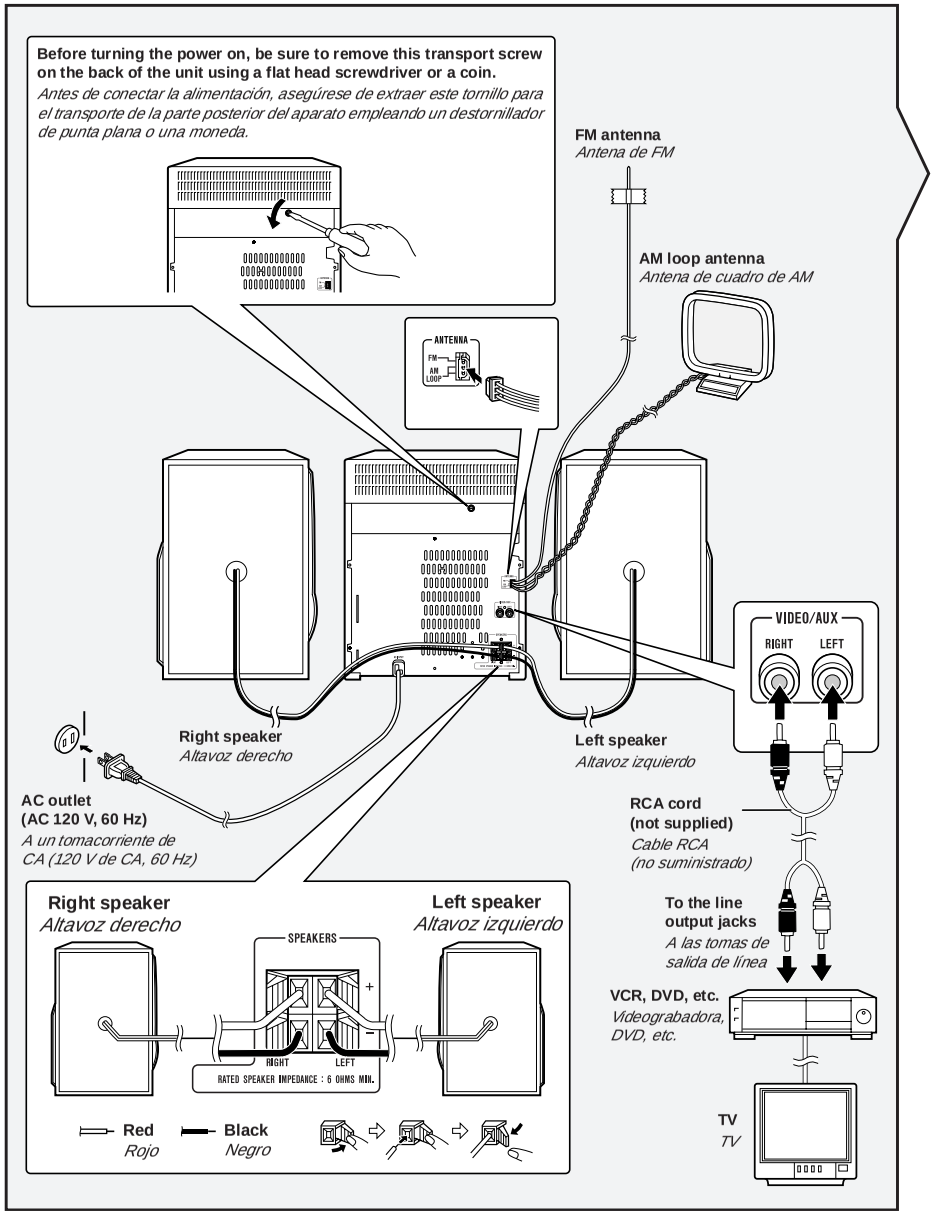


3 **Replace the cover.**
Vuelva a colocar la cubierta.



3 System connections
Conexiones del sistema

Before turning the power on, be sure to remove this transport screw on the back of the unit using a flat head screwdriver or a coin.
Antes de conectar la alimentación, asegúrese de extraer este tornillo para el transporte de la parte posterior del aparato empleando un destornillador de punta plana o una moneda.



QUICK GUIDE

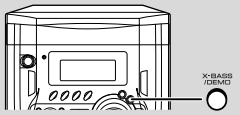
4 Turn on your system
Conexión de la alimentación de su sistema

The first time the unit is plugged in, the unit will enter the demonstration mode. You will see words scroll.

Cuando se enchufe por primera vez el aparato, se establecerá en el modo de demostración. Verá un desplazamiento de palabras.

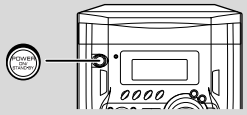
1 Press the X-BASS/DEMO button to cancel the demonstration mode.

Pulse el botón X-BASS/DEMO para cancelar el modo de demostración.

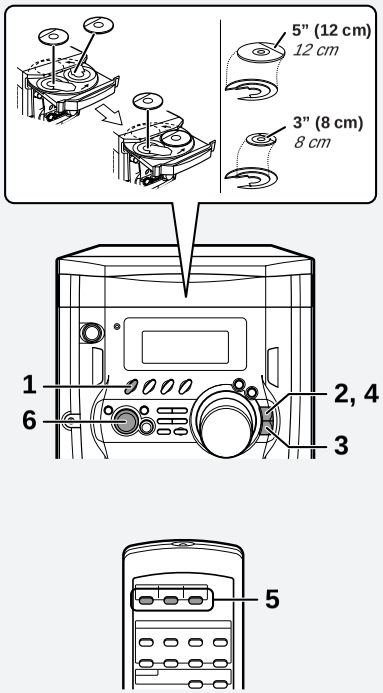


2 Press the ON/STAND-BY button to turn the power on.

Pulse el botón ON/STAND-BY para conectar la alimentación.



Listening to a CD (CDs)
Audición de un disco CD (discos CD)



1 CD

Press the CD button.

Pulse el botón CD.

2 OPEN/CLOSE

Press the ≜ OPEN/CLOSE button to open the disc tray.

Pulse el botón ≜ OPEN/CLOSE para abrir la bandeja de discos.

3 DISC SKIP

Place the CD(s) on the disc tray, label side up.
When loading a third disc, press the DISC SKIP button to turn the disc tray, then place the CD in the open position.

Coloque el disco compacto en la bandeja de discos, con el lado de la etiqueta hacia arriba.
Cuando ponga un tercer disco, pulse el botón DISC SKIP para girar la bandeja de discos, y coloque el disco compacto en la posición abierta.

4 OPEN/CLOSE

Press the ≜ OPEN/CLOSE button to close the disc tray.

Pulse el botón ≜ OPEN/CLOSE para cerrar la bandeja de discos.

5 ⊖1 ⊖2 ⊖3

To select the CD you want to listen to first, press one of ⊖1 - ⊖3 buttons on the remote control.

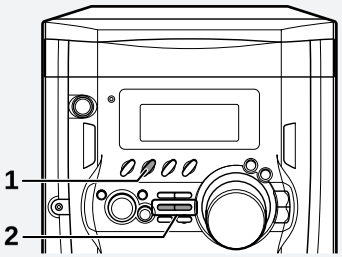
Para seleccionar el disco CD que desee escuchar primero, pulse uno de los botones ⊖1 - ⊖3 del controlador remoto.

6 ▶/⊐

Press the ▶/⊐ button to start playback.

Pulse el botón ▶/⊐ para iniciar la reproducción.

Listening to the radio
Audición de la radio



FM stereo mode indicator
Indicador del modo de FM en estéreo

FM stereo receiving indicator
Indicador de recepción de FM en estéreo

1 TUNER (BAND)

Press the TUNER (BAND) button repeatedly to select the desired frequency band (FM or AM).

Pulse repetidamente el botón TUNER (BAND) para seleccionar la banda de frecuencias deseada (FM o AM).

2 TUNING/TIME

Press the TUNING/TIME (⌄ or ⌃) button to tune in to the desired station.
When the TUNING/TIME button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.

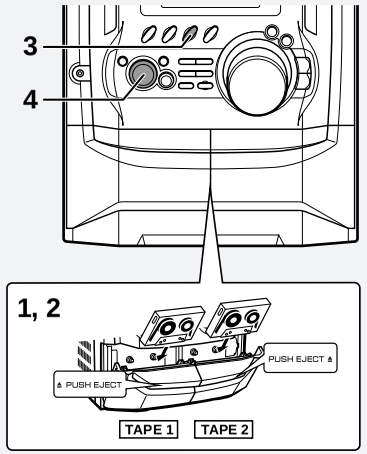
Pulse el botón TUNING/TIME (⌄ o ⌃) para sintonizar la emisora deseada.
Cuando se pulse el botón TUNING/TIME durante más de 0,5 segundos, la exploración se iniciará automáticamente y el sintonizador se parará en la primera emisora difusora que pueda recibirse.

TUNER (BAND)

To receive an FM stereo transmission:
Press the TUNER (BAND) button to display the "ST" indicator.
- **"⊙" will appear when an FM broadcast is in stereo.**

Para recibir una transmisión de FM en estéreo:
Pulse el botón TUNER (BAND) para que se visualice el indicador "ST".
- *"⊙" aparecerá cuando una difusión de FM sea en estéreo.*

Listening to a cassette tape (TAPE 1 or TAPE 2)
Audición de una cinta de cassette (TAPE 1 o TAPE 2)



1

Open the cassette door by pushing the area marked "≜ PUSH EJECT".

Abra la puerta del cassette pulsando la parte marcada "≜ PUSH EJECT".

2

Load a cassette into the TAPE 1 or TAPE 2 cassette compartment with the side to be played facing toward you.

Cargue un cassette en el compartimiento de cassette de TAPE 1 o de TAPE 2 con la cara a reproducirse encarada hacia usted.

3 TAPE (1 ⇝ 2)

Press the TAPE (1 ⇝ 2) button to select the cassette you want to listen to.

Pulse el botón TAPE (1 ⇝ 2) para seleccionar el cassette que desee escuchar.

4 ▶/⊐

Press the ▶/⊐ button to start playback.

Pulse el botón ▶/⊐ para iniciar la reproducción.

DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:
1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

CD-XP500/CD-XP5500

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw ..... (A1) x4	10-1
2	Side Panel (Left/Right)	1. Screw ..... (B1) x8	10-1
3	CD Tray Cover/ CD Player Unit	1. Turn on the power supply, open the disc tray, take out the CD tray cover, and close. (Note 1) 2. Screw ..... (C1) x1 3. Hook ..... (C2) x3 4. Hook ..... (C3) x2 5. Socket ..... (C4) x2	10-2
4	Rear Panel with Fan Motor	1. Screw ..... (D1) x7 2. Socket ..... (D2) x1	10-2
5	Main PWB	1. Screw ..... (E1) x3 2. Socket ..... (E2) x3 3. Flat Cable ..... (E3) x1 4. Flat Wire ..... (E4) x1	10-2, 11-1 11-1
6	Front Panel	1. Screw ..... (F1) x2 2. Hook ..... (F2) x2 3. Socket ..... (F3) x1	11-1
7	Display PWB	1. Knob ..... (G1) x1 2. Screw ..... (G2) x16 3. Flat Cable ..... (G3) x1	11-2
8	Tape Mechanism	1. Open the cassette holder. 2. Screw..... (H1) x5	11-2
9	Headphones PWB	1. Screw ..... (J1) x1	11-2
10	Turntable	1. Hook ..... (K1) x2 2. Cover ..... (K2) x1	11-3
11	Loading Tray	1. Turn fully the lock lever in the arrow direction. 2. Push the loading tray backward to engage the claw with the groove and remove it in the direction of the arrow. .. (L1) x6	10-3 11-4
12	CD Servo PWB (Note 2)	1. Screw ..... (M1) x2 2. Hook ..... (M2) x1 3. Socket ..... (M3) x4	11-5
13	CD Mechanism	1. Hook ..... (N1) x2 2. Hook ..... (N2) x2	11-6

Note 1: How to open the changer manually. (Fig. 10-3)
1. In this state, turn fully the lock lever in the arrow direction through the hole on the loading tray bottom.
2. After that, push forward the loading tray.

Note 2:
1. After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electro-static damage.

Note 3:
1. Be careful not to break the claw of the CD mechanism.
2. When fining back the cam gear assembly, let it lock by front movement.

CD-XP500/CD-XP5500

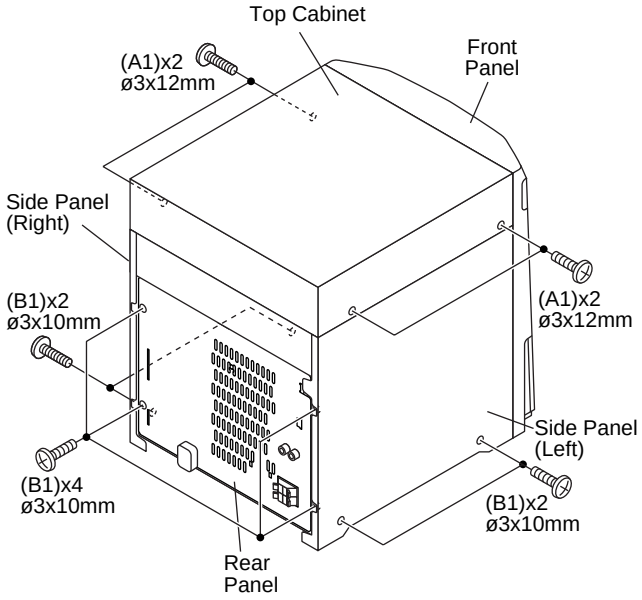


Figure 10-1

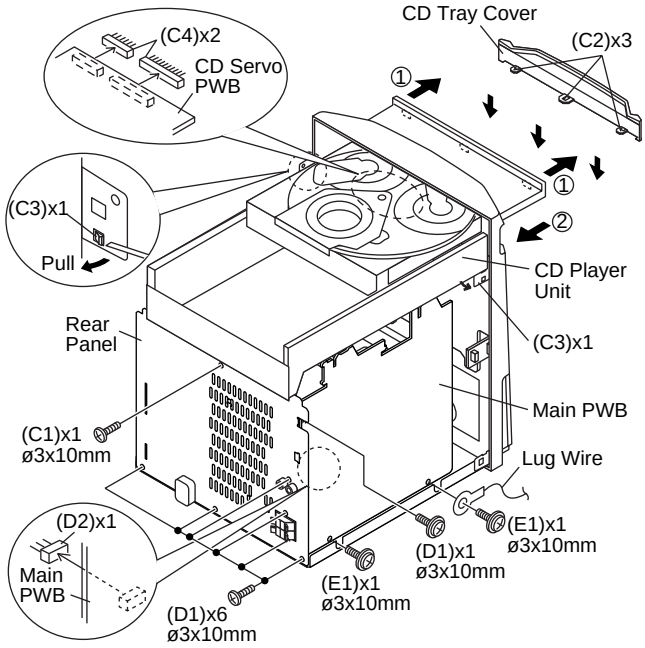


Figure 10-2

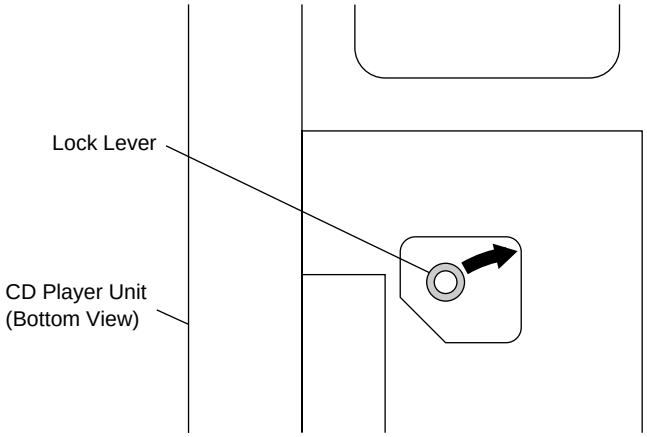


Figure 10-3

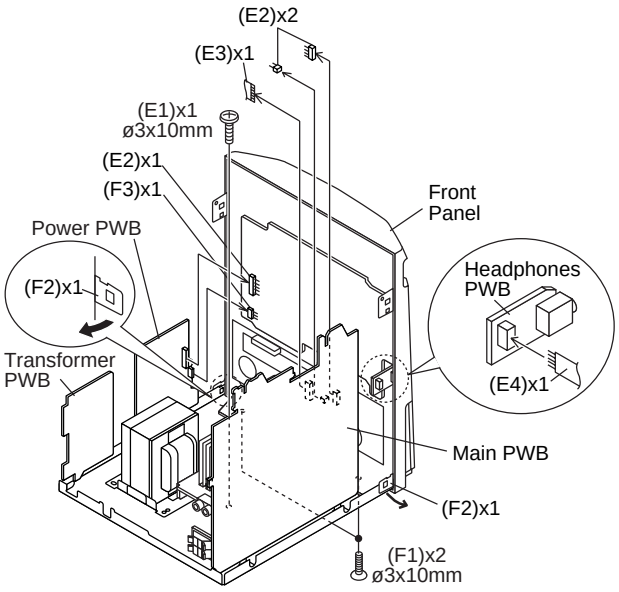


Figure 11-1

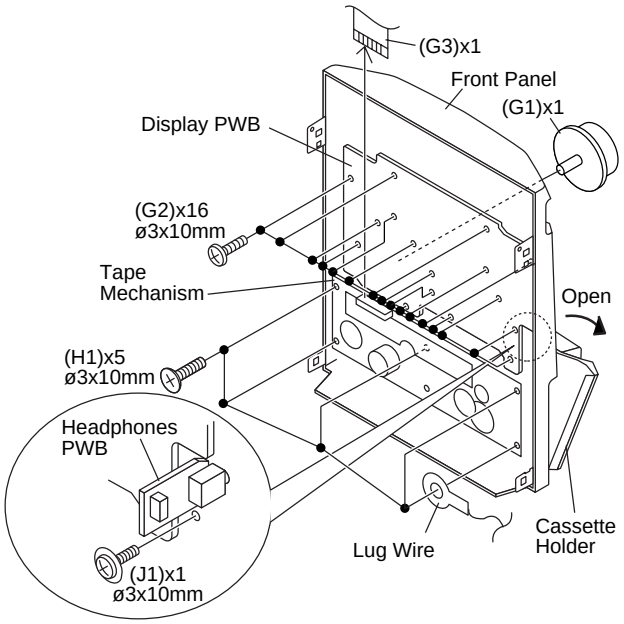


Figure 11-2

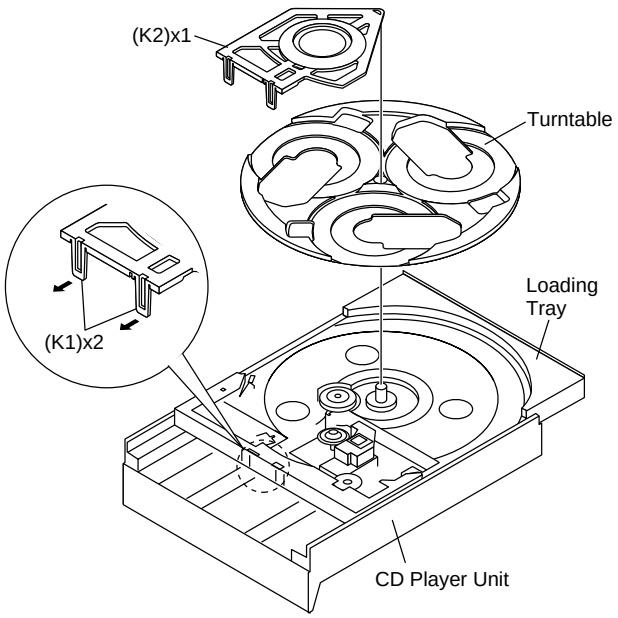


Figure 11-3

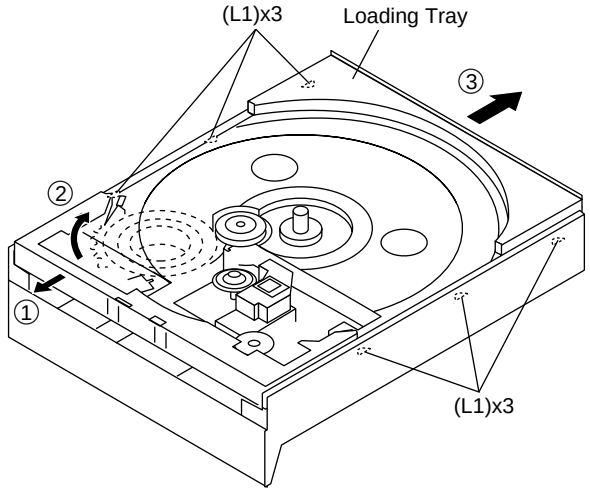


Figure 11-4

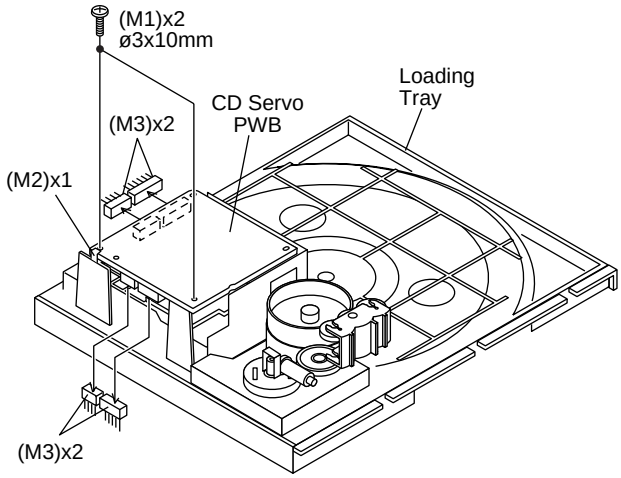


Figure 11-5

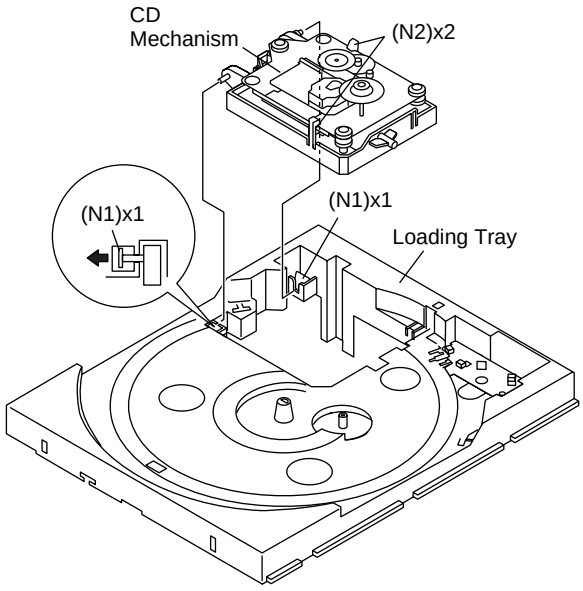


Figure 11-6

CP-XP500/CP-XP5500

STEP	REMOVAL	PROCEDURE	FIGURE
1	Woofer	1. Front Panel ..... (A1) x1 2. Screw ..... (A2) x8	12-1 12-2
2	Tweeter	1. Screw ..... (B1) x2	12-2

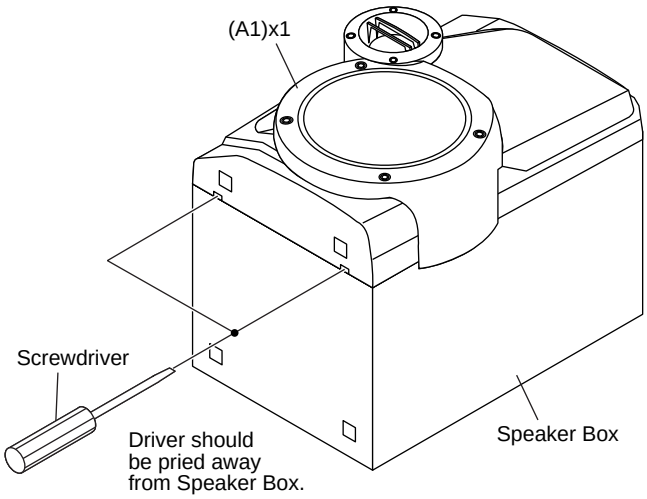


Figure 12-1

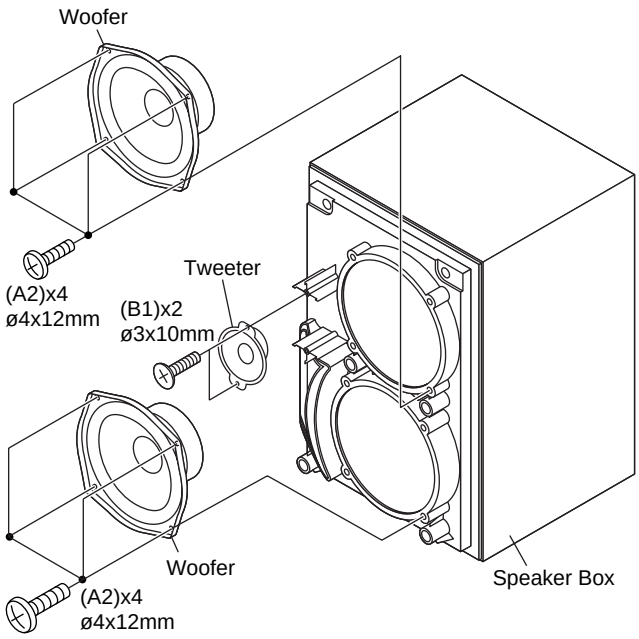


Figure 12-2

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1 to 6 and 8 of the disassembly method to remove the tape mechanism.

How to remove the record/playback and erase heads (TAPE 2) (See Fig. 13-1)

1. When you remove the screws (A1) x 2 pcs., the recording/playback head and three-dimensional head of the erasing head can be removed.

How to remove the playback head (TAPE 1) (See Fig. 13-2)

1. When you remove the screws (B1) x 2 pcs., the playback head can be removed.

How to remove the pinch roller (TAPE 1/2) (See Fig. 13-3)

1. Carefully bend the pinch roller pawl in the direction of the arrow **<A>**, and remove the pinch roller (C1) x 1 pc., in the direction of the arrow **<B>**.

Note:
When installing the pinch roller, pay attention to the spring mounting position.

How to remove the belt (TAPE 2) (See Fig. 13-4)

1. Remove the main belt (D1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (D2) x 1 pc.

How to remove the belt (TAPE 1) (See Fig. 13-4)

1. Remove the main belt (E1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (E2) x 1 pc.

How to remove the motor (See Fig. 13-5)

1. Remove the screws (F1) x 2 pcs., to remove the motor.

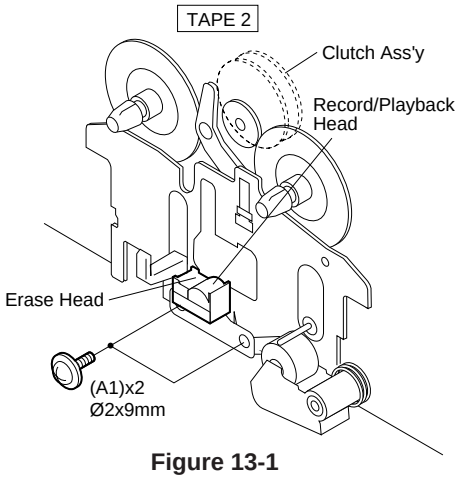


Figure 13-1

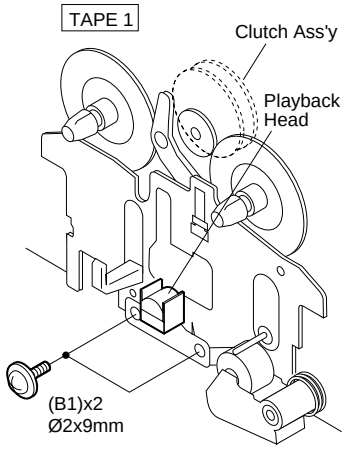


Figure 13-2

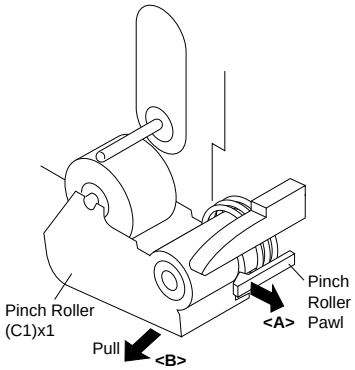


Figure 13-3

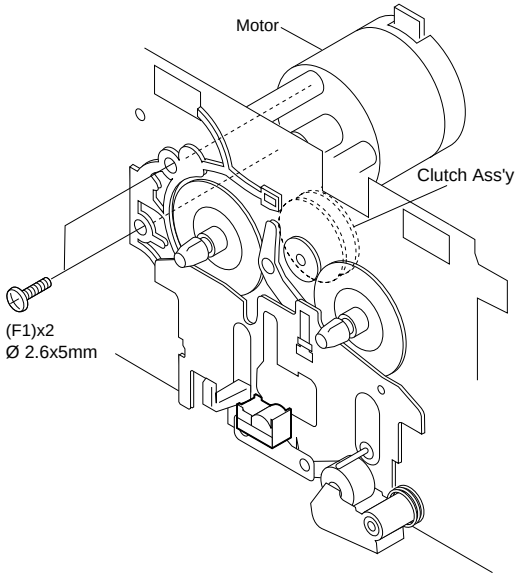


Figure 13-5

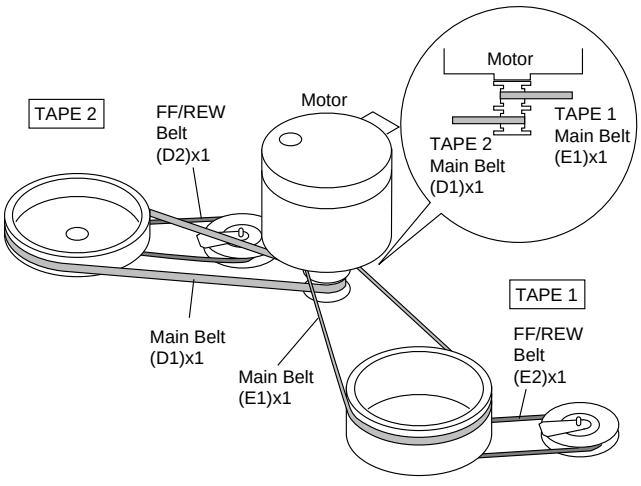


Figure 13-4

CD MECHANISM SECTION

Perform steps 1, 2, 3, 10, 11,12 and 13 of the disassembly method to remove the CD mechanism.

How to remove the loading motor (See Fig. 14-1)

1. Bend the hooks (A1) x 6 pcs., to remove the loading motor.

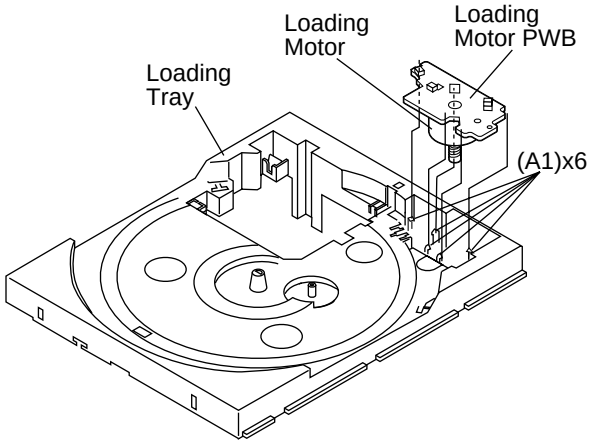


Figure 14-1

How to remove the pickup (See Fig. 14-2)

1. Remove the stop washer (B1) x 1 pc., to remove the gear (B2) x 1 pc.
2. Remove the screws (B3) x 2 pcs., to remove the shaft (B4) x 1 pc.
3. Remove the pickup.

Note

After removing the connector for the optical pickup from the connector wrap the conductive aluminium foil around the front end of connector so as to protect the optical pickup from electrostatic damage.

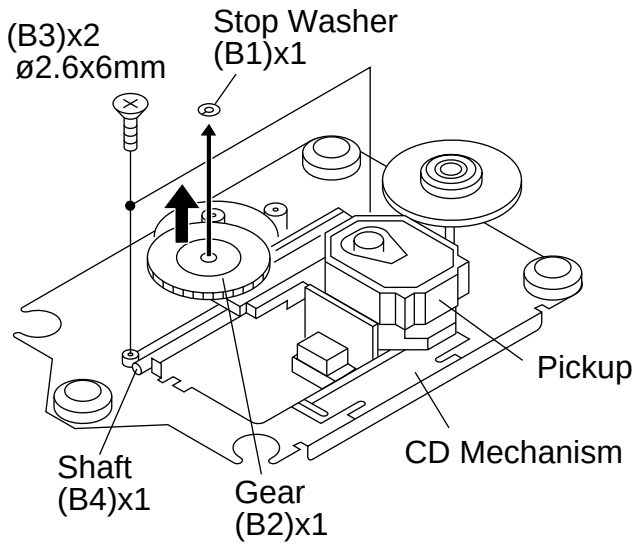


Figure 14-2

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 80 g.cm	30 to 80 g.cm
Fast forward: TW-2231	—	70 to 180 g.cm
Rewind: TW-2231	—	70 to 180 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable Resistor in motor.	3,000 ± 30 Hz	Speaker Terminal (Load resistance: 6 ohms)

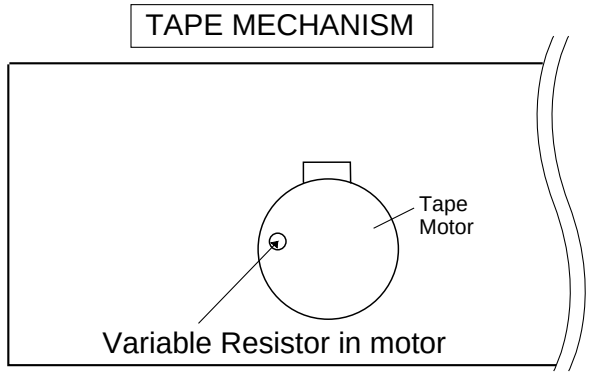


Figure 14-3

TUNER SECTION

fL: Low-range frequency
fH: High-range frequency

- **AM IF/RF**

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,702 kHz	T351	*1
AM Band Coverage	—	530 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T303	*1

*1. Input: Antenna Output: TP302
*2. Input: Antenna Output: TP301

- **FM RF**

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Point	Instrument Connection
FM Band Coverage	—	87.50 MHz	T301 (fL): 1.3 V ± 0.1 V	*1
FM RF	98.00 MHz (10-30 dB)	98.00 MHz	L312	*2

*1. Input: Antenna Output: TP301
*2. Input: Antenna Output: Speaker terminal

- **FM IF**

Signal generator: 10.7 MHz, FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Point	Instrument Connection
IF	10.7 MHz	98 MHz	T302 (Turn the core of transformer T302 fully counter-clock wise)	*1

*1. Input: Antenna Output: TP301

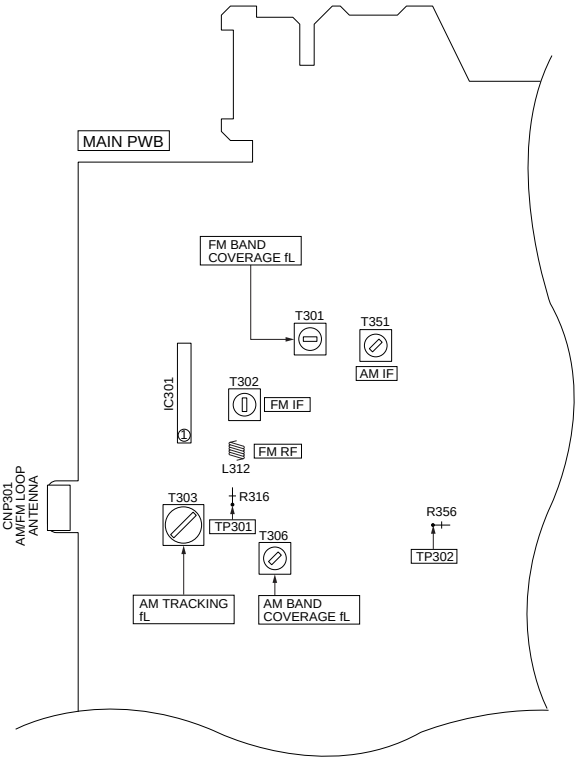


Figure 15-1 ADJUSTMENT POINTS

CD SECTION

- **Adjustment**

Since this CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

Items adjusted automatically

(1) Offset adjustment (The offset voltage between the head amplifier output and the VREF reference voltage is compensated inside the IC.)
  * Focus offset adjustment
  * Tracking offset adjustment

(2) Tracking balance adjustment (waveform drawing Fig.15-2 EFBL)

(3) Gain adjustment (The gain is compensated inside the IC so that the loop gain at the gain crossover frequency will be 0 dB.)
  * Focus gain adjustment
  * Tracking gain adjustment

CD ERROR CODE DESCRIPTION

Error	Explanation
01	When Pickup set inner position, inner switch cannot detect 'ON' level for 10 secs.
10*	When tray moves to Open/Close, Open/Close switch cannot detect 'ON' level for 7 secs. When disc table rotate to target position. Clamp switch cannot detect 'ON' level for 7 secs.
11*	When disc table set to Disc1 position for 1 st time, "CLAMP SW", "DISC NO SW" and "OPEN/CLOSE" cannot detect 'ON' level for 14 secs.
31	When it changes to CD function, DSP cannot read initial data.

* 'CHECKING'

If Error is detected, 'CHECKING' will be display instead of 'ER-CD**' display. 'ER-CD**' display will only be display when error had been detected for the 5 th times.

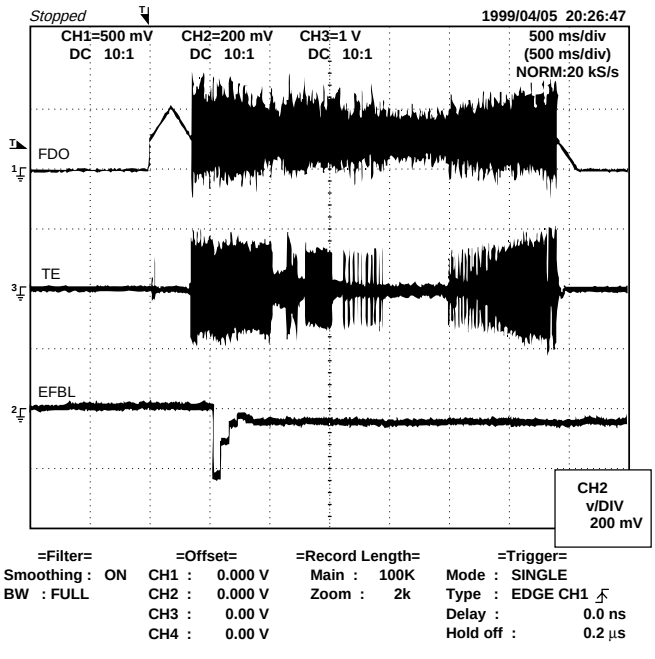
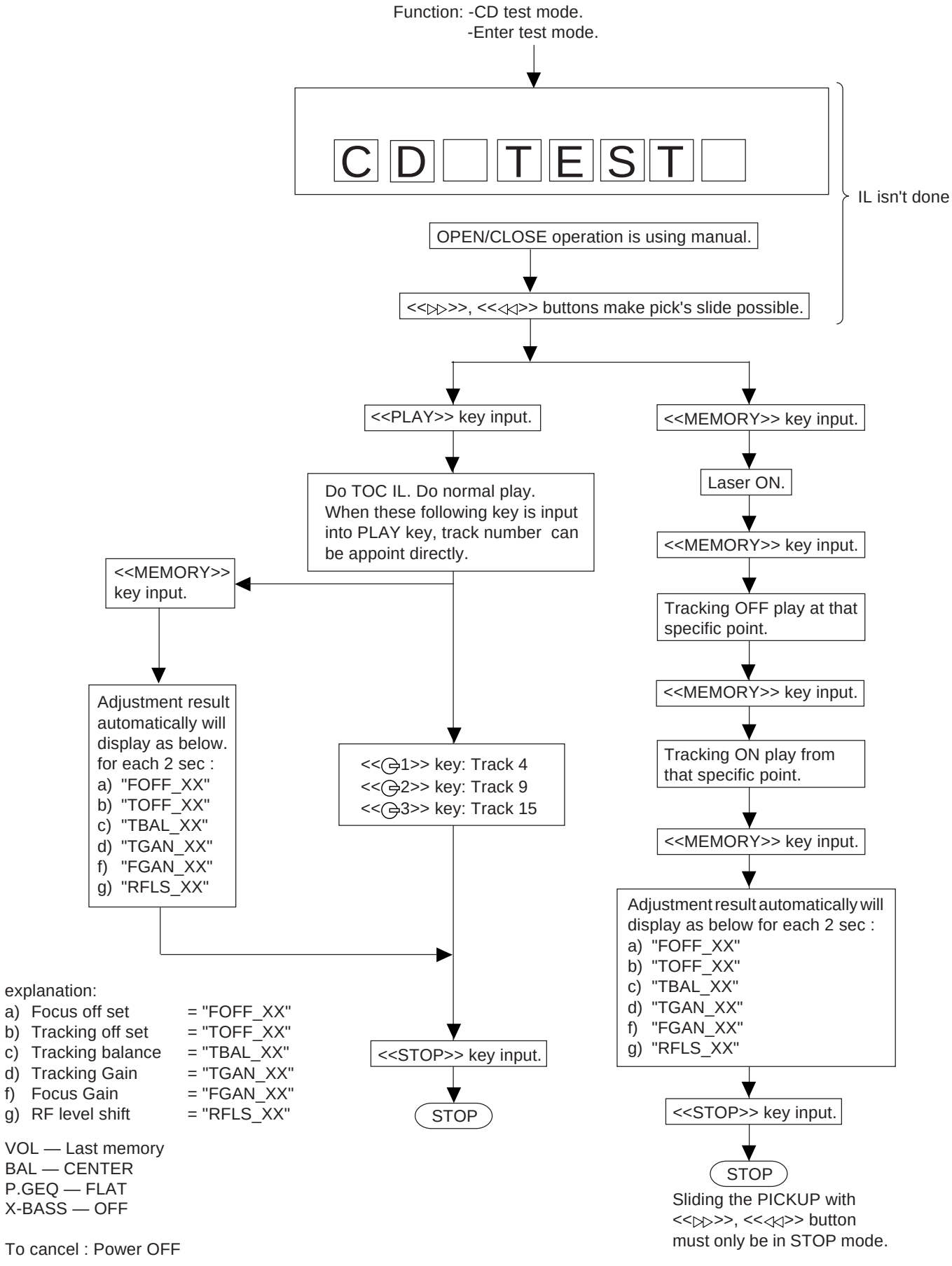


Figure 15-2

TEST MODE

• **Setting the test mode**

Any one of test mode can be set by pressing several keys as follows.
<X-BASS> + <CD> + <POWER> TEST: CD operation test.



explanation:

a)	Focus off set	= "FOFF_XX"
b)	Tracking off set	= "TOFF_XX"
c)	Tracking balance	= "TBAL_XX"
d)	Tracking Gain	= "TGAN_XX"
f)	Focus Gain	= "FGAN_XX"
g)	RF level shift	= "RFLS_XX"

VOL — Last memory
BAL — CENTER
P.GEQ — FLAT
X-BASS — OFF

To cancel : Power OFF

Standard Specification of Stereo System Error Message Display Contents

	Error Contents	DISPLAY	Notes
TAPE	Mechanism Error.	'ER-TA**'	00: Tape Mechanism Error. 01: Initial Error. 02: 03:
CD/VCD	Pickup Mechanism Error.	'ER-CD**' (*)	01: PU-IN SW Detection NG. 02: 03: 04:
	CD Changer Mechanism Error.	'ER-CD**'	10: Changer Error. 11: Initial Error. 12: 13:
	CD DSP Communication Error	'ER-CD**'	31: DSP COMMUNICATION ERROR
	Focus Not Match.	'NO DISC'	
	IL Time Over.	'NOT READ'	
TUN	PLL Unlock.	'ER-TU**'	00: TUN Error. 01: PLL Unlock. 02: 03:

(*) CHECKING:
If CD changer mechanism error is detected, 'CHECKING' will be display instead of 'ER-CD**' display 'ER-CD**' will only be display when CD changer mechanism error had been detected for the 5 th times.

Speaker abnormal detection and +B PROTECTION display
In case speaker abnormal detection or +B PROTECTION had occured, it can be check by pressing 'POWER', 'VIDEO' and 'X-BASS' key twice. Display will show "S** B**". S is referring to speaker abnormal detection and B is referring to +B PROTECTION. ** is in hex valve.

+B PROTECTION is condition when irregular process occur on power supply line.

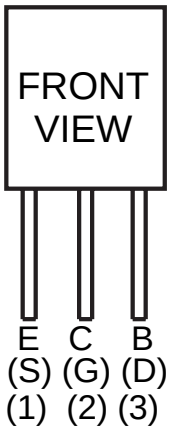
NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     indicates AM
     indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.
     ( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ ” (⊏ ⚌ ⚌ ⚌ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

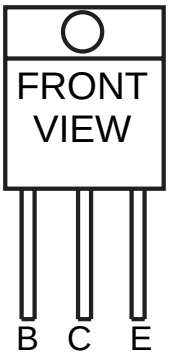
REF. NO	DESCRIPTION	POSITION
JOG701	JOG VOLUME	ON—OFF
SW1	OPEN/CLOSE	ON—OFF
SW2	CLAMP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW701	POWER	ON—OFF
SW702	FAST REWIND/PRESET DOWN	ON—OFF
SW703	FAST FORWARD/PRESET UP	ON—OFF
SW704	STOP	ON—OFF
SW705	PLAY/REPEAT	ON—OFF
SW711	CD	ON—OFF
SW712	TUNER (BAND)	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW713	TAPE	ON—OFF
SW714	VIDEO/AUX	ON—OFF
SW715	TIMER/SLEEP	ON—OFF
SW716	TUNING/TIME UP	ON—OFF
SW717	REC PAUSE	ON—OFF
SW718	MEMORY/SET	ON—OFF
SW719	TUNING/TIME DOWN	ON—OFF
SW720	CLOCK	ON—OFF
SW723	DISC SKIP	ON—OFF
SW724	OPEN/CLOSE	ON—OFF
SW725	EQUALIZER	ON—OFF
SW726	X-BASS/DEMO	ON—OFF

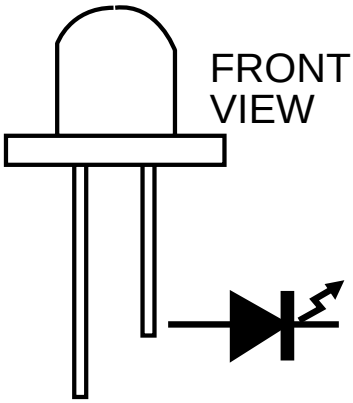
TYPES OF TRANSISTOR AND LED



KRC102 M
KRC104 M
KTA1266 GR
KTA1273 Y
KTA1274 Y
KTC3194 Y
KTC3199 GR
KTC3200 GR
KTC3203 Y



KTC2026



4204UYT7
A503BC2E
SLR342VCJ

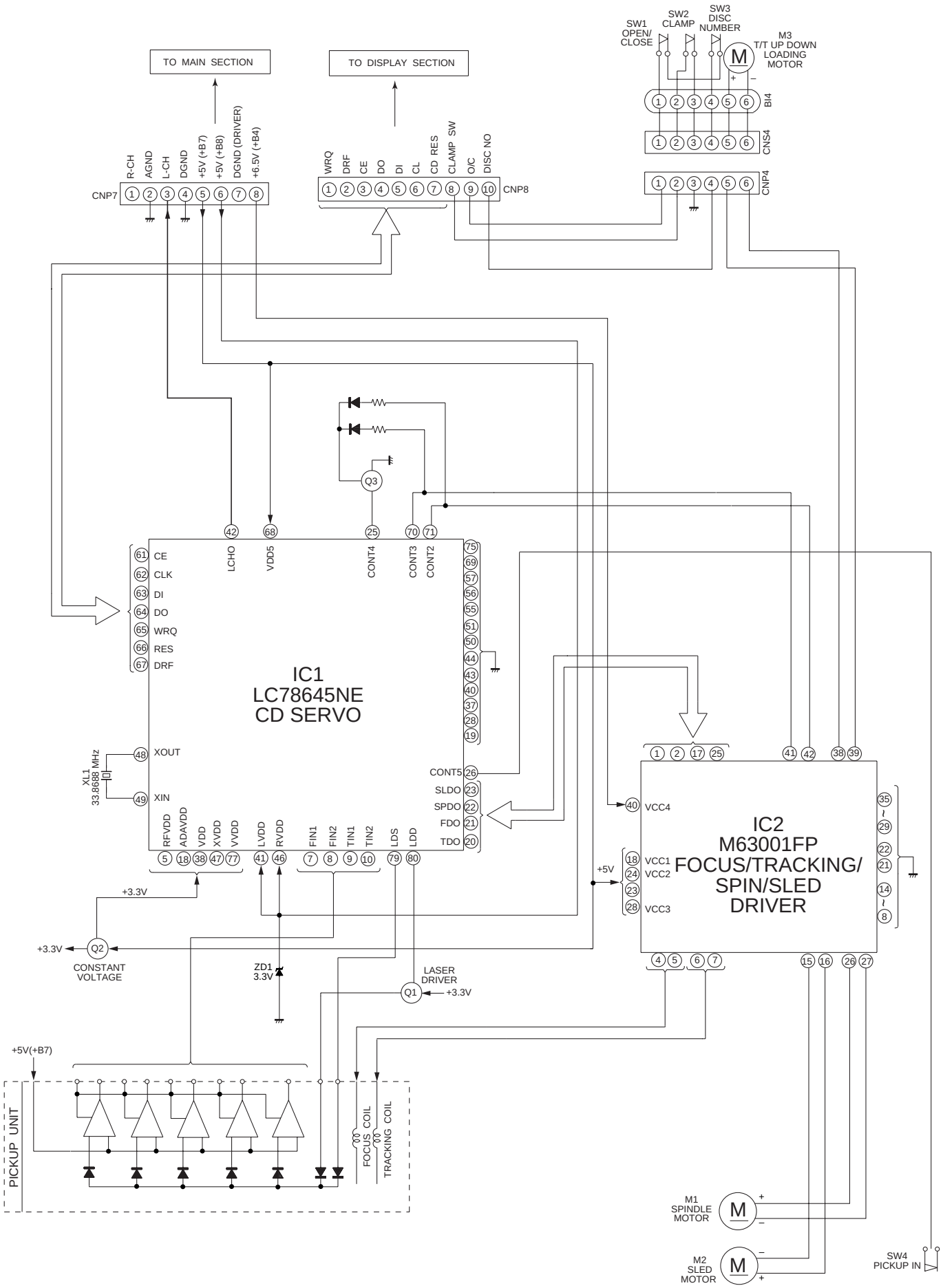


Figure 19 BLOCK DIAGRAM (1/3)

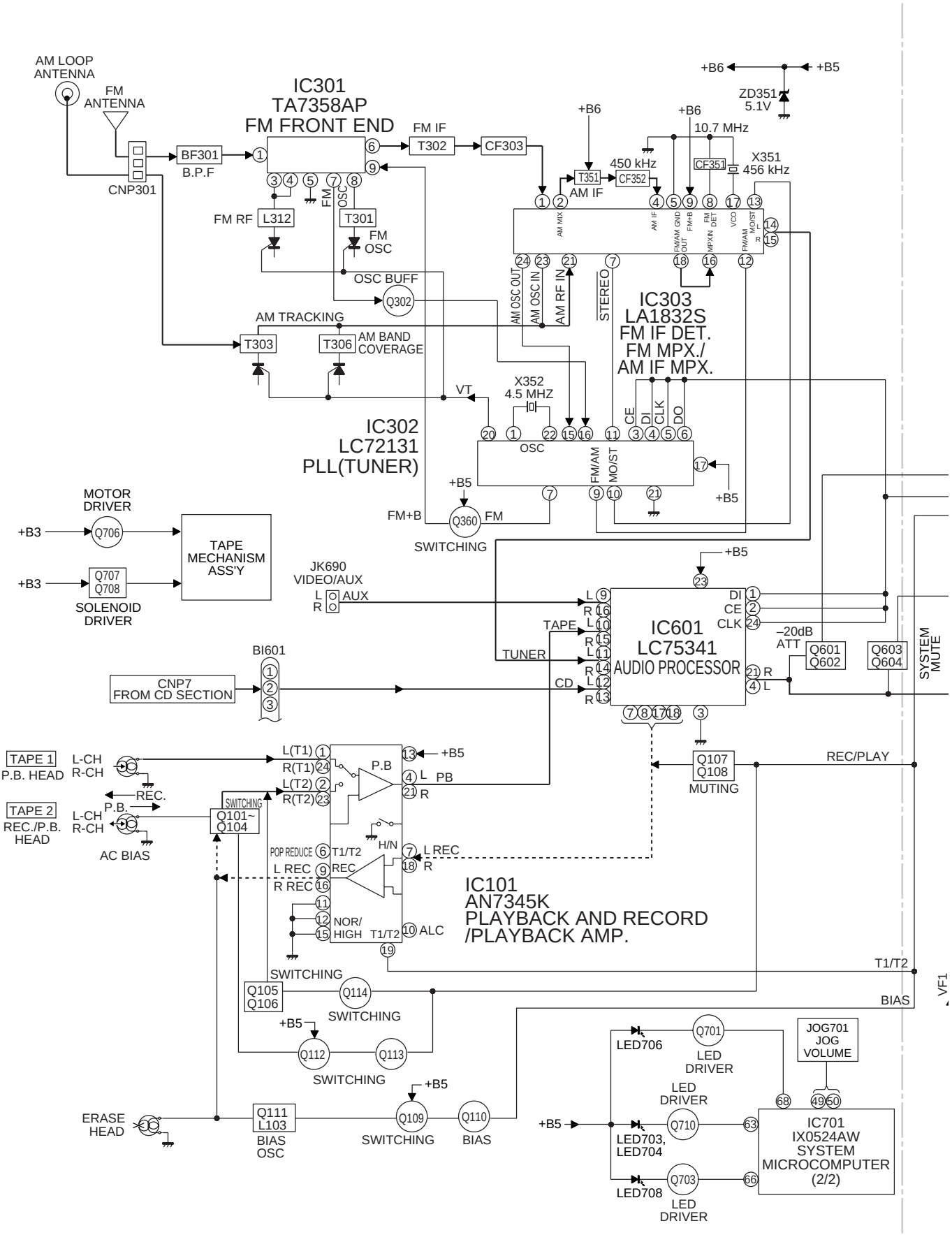


Figure 20 BLOCK DIAGRAM (2/3)

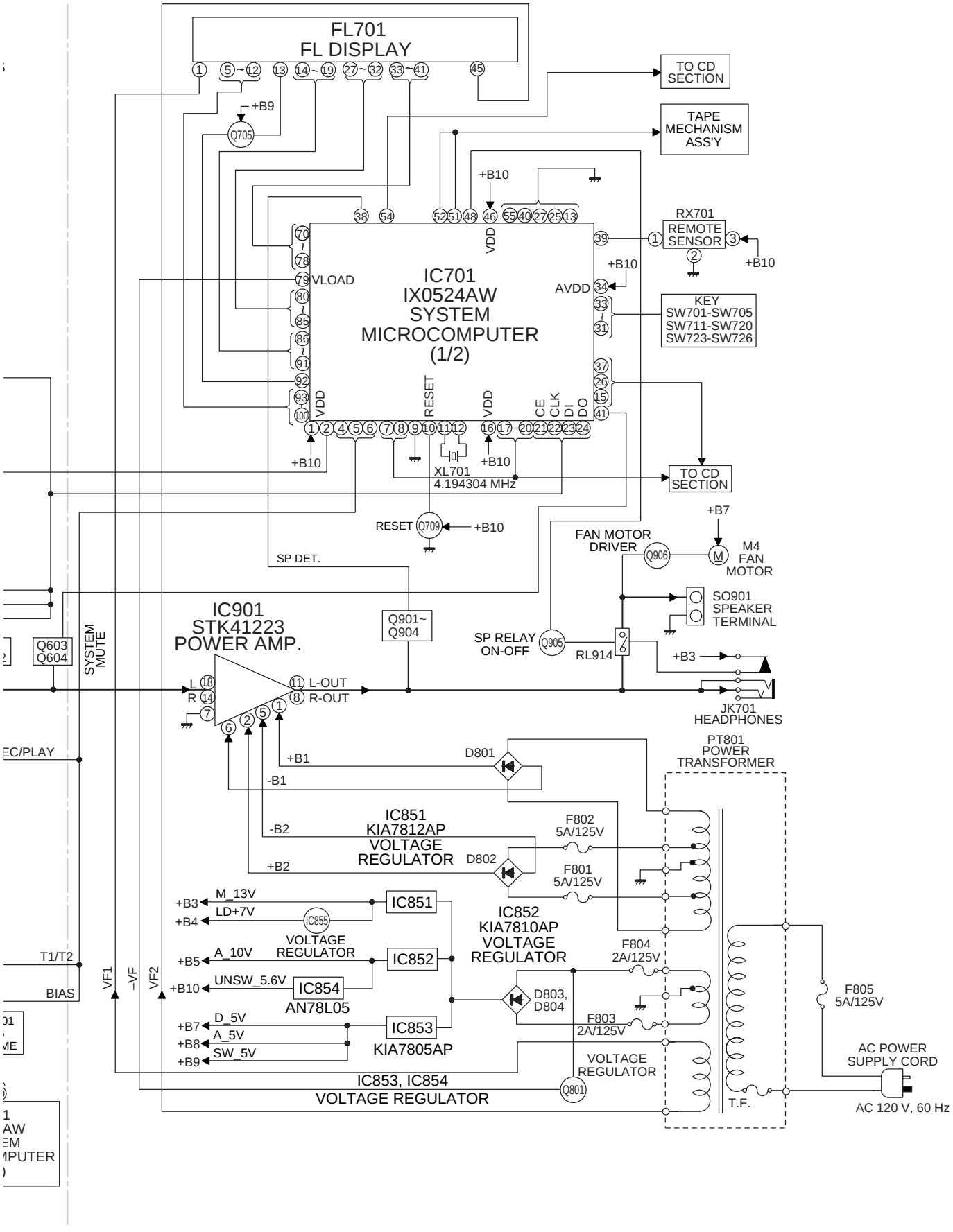
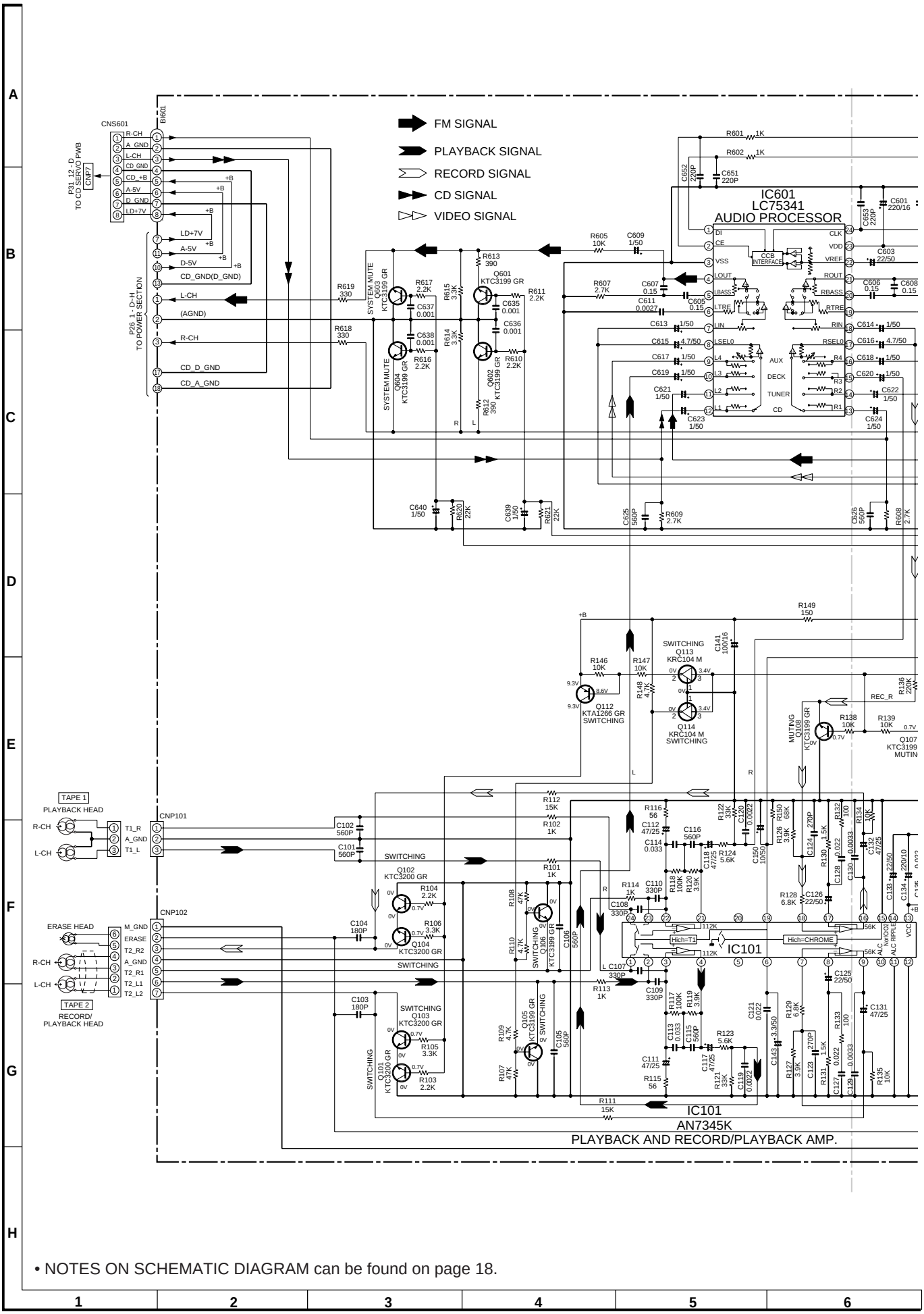
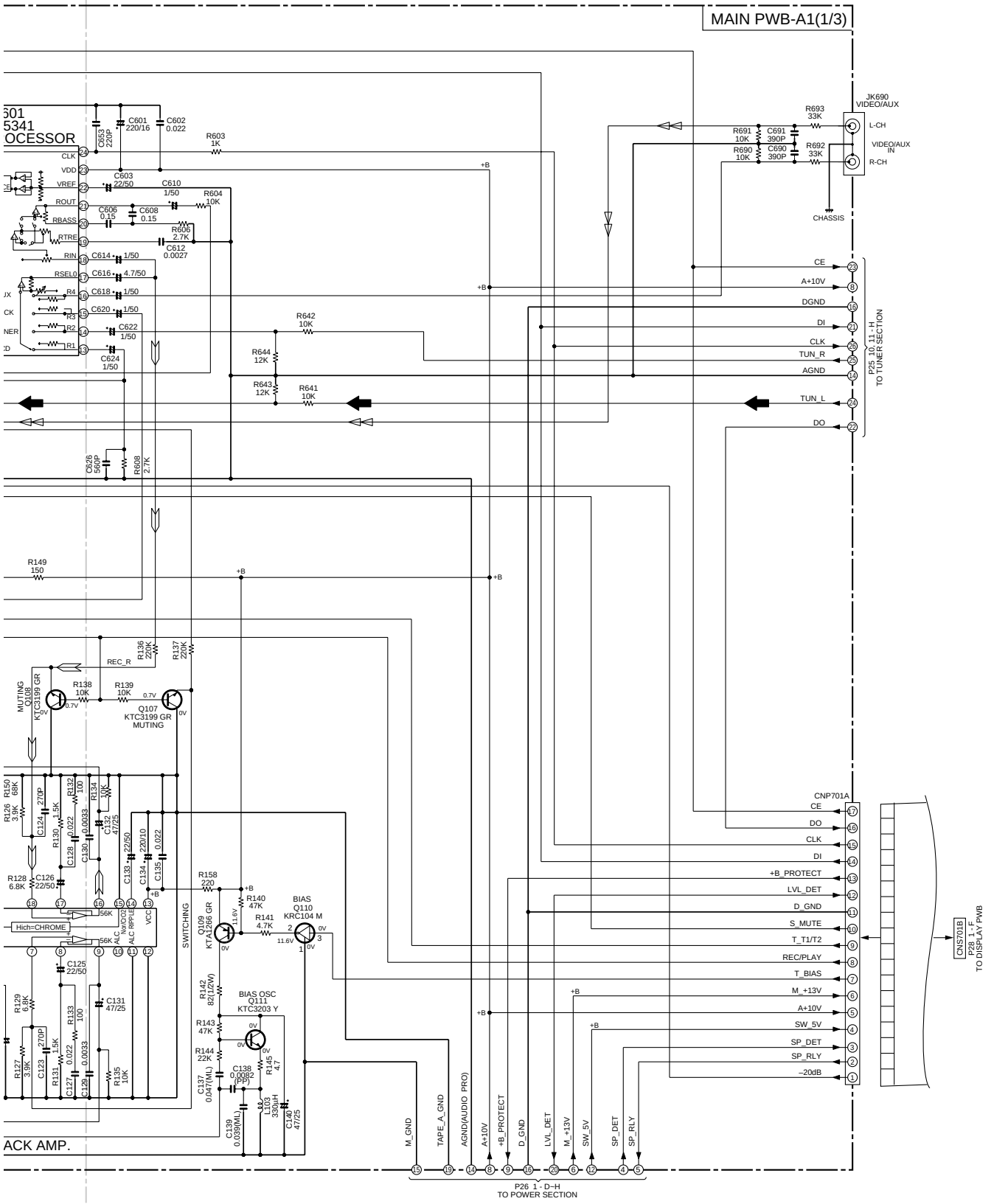


Figure 21 BLOCK DIAGRAM (3/3)



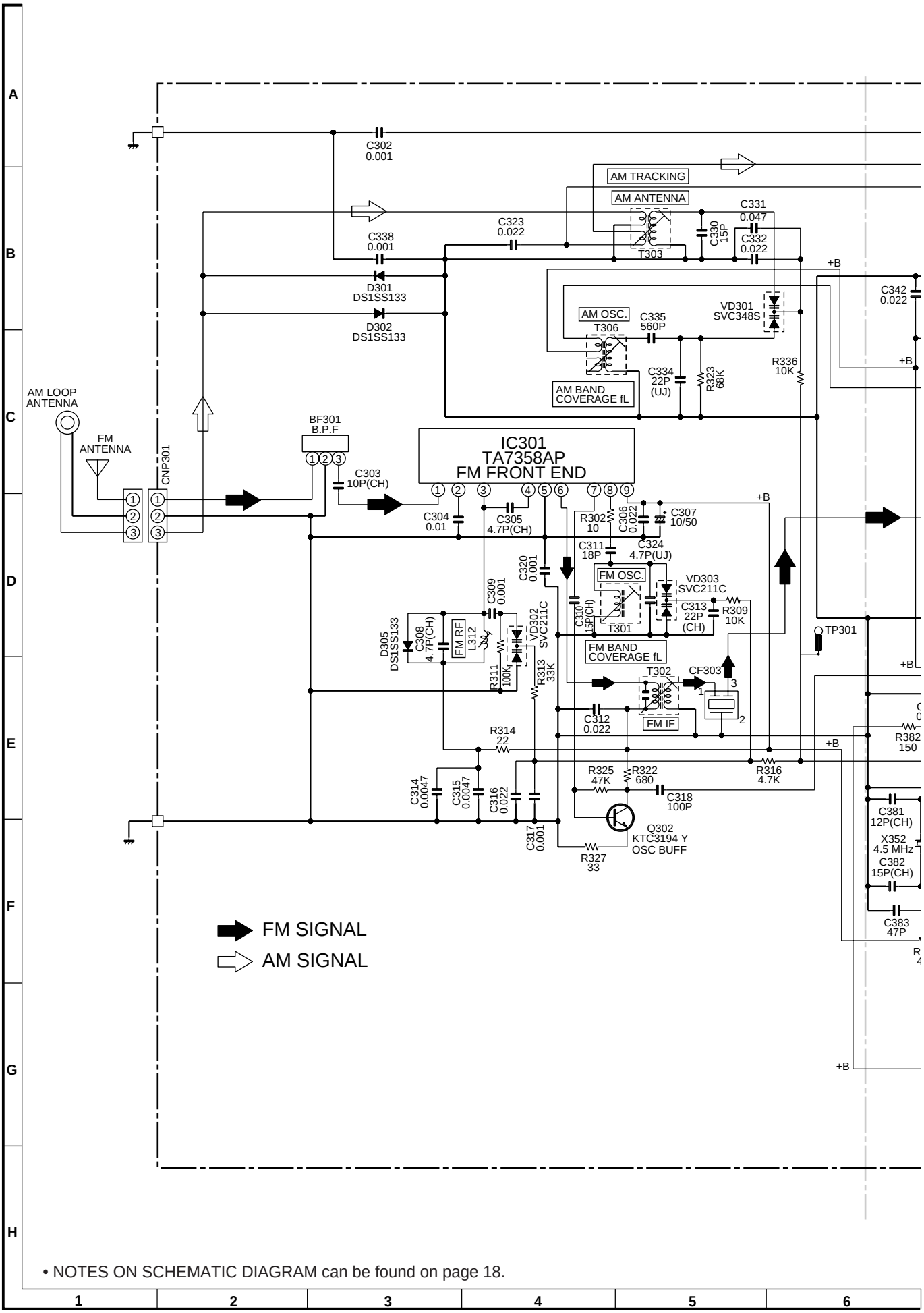
• NOTES ON SCHEMATIC DIAGRAM can be found on page 18.

Figure 22 SCHEMATIC DIAGRAM (1/10)



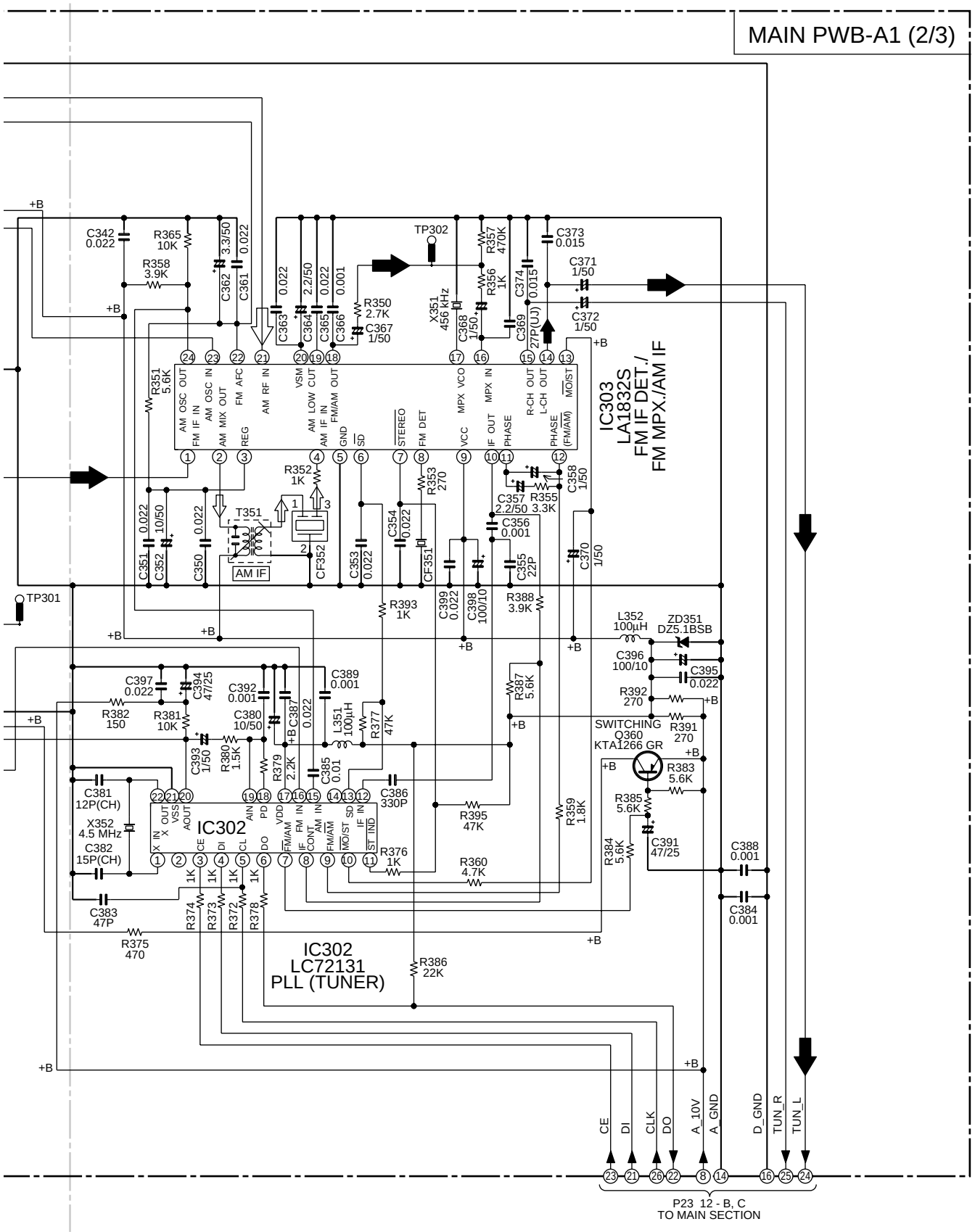
7	8	9	10	11	12

Figure 23 SCHEMATIC DIAGRAM (2/10)



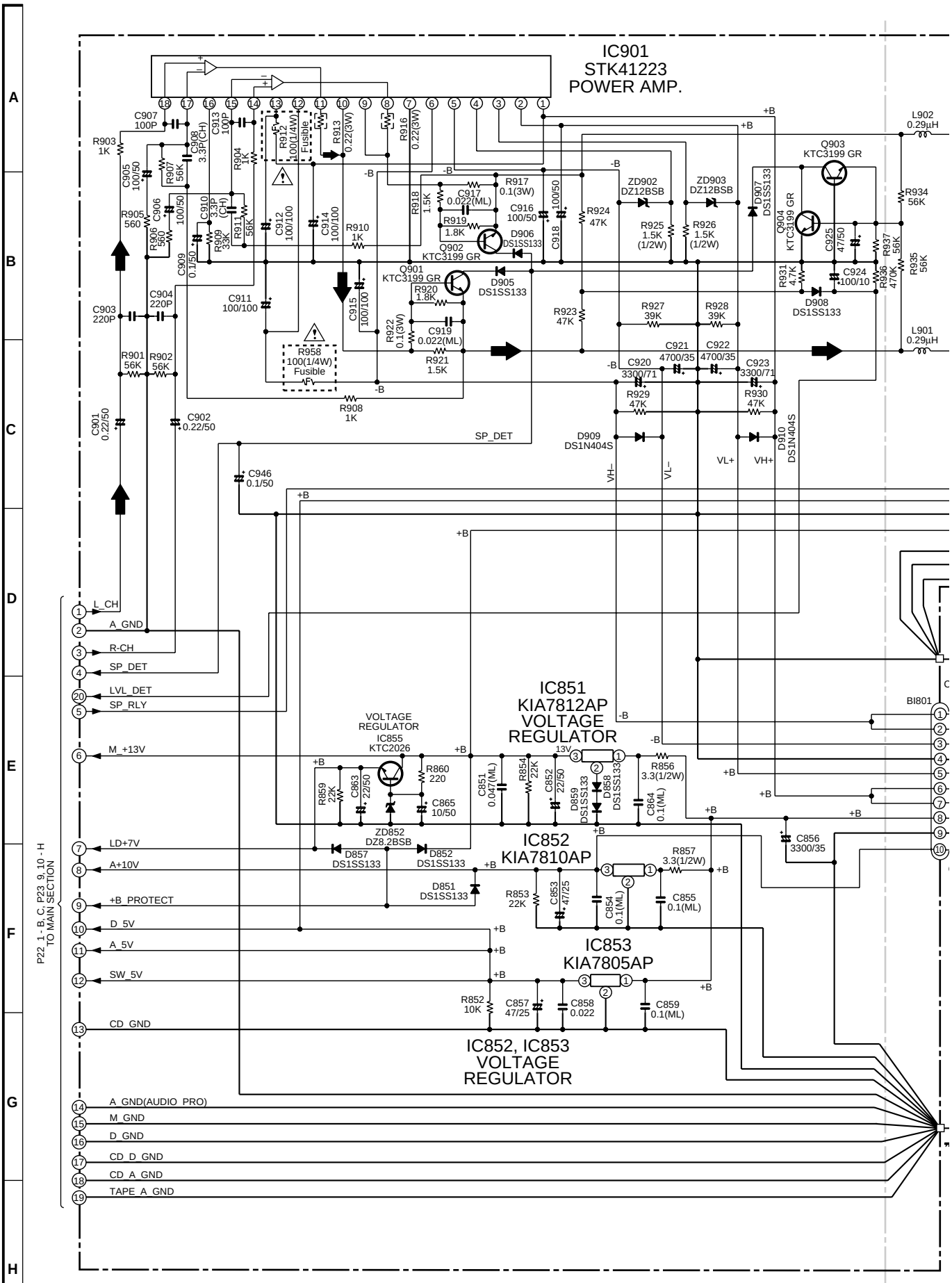
• NOTES ON SCHEMATIC DIAGRAM can be found on page 18.

Figure 24 SCHEMATIC DIAGRAM (3/10)



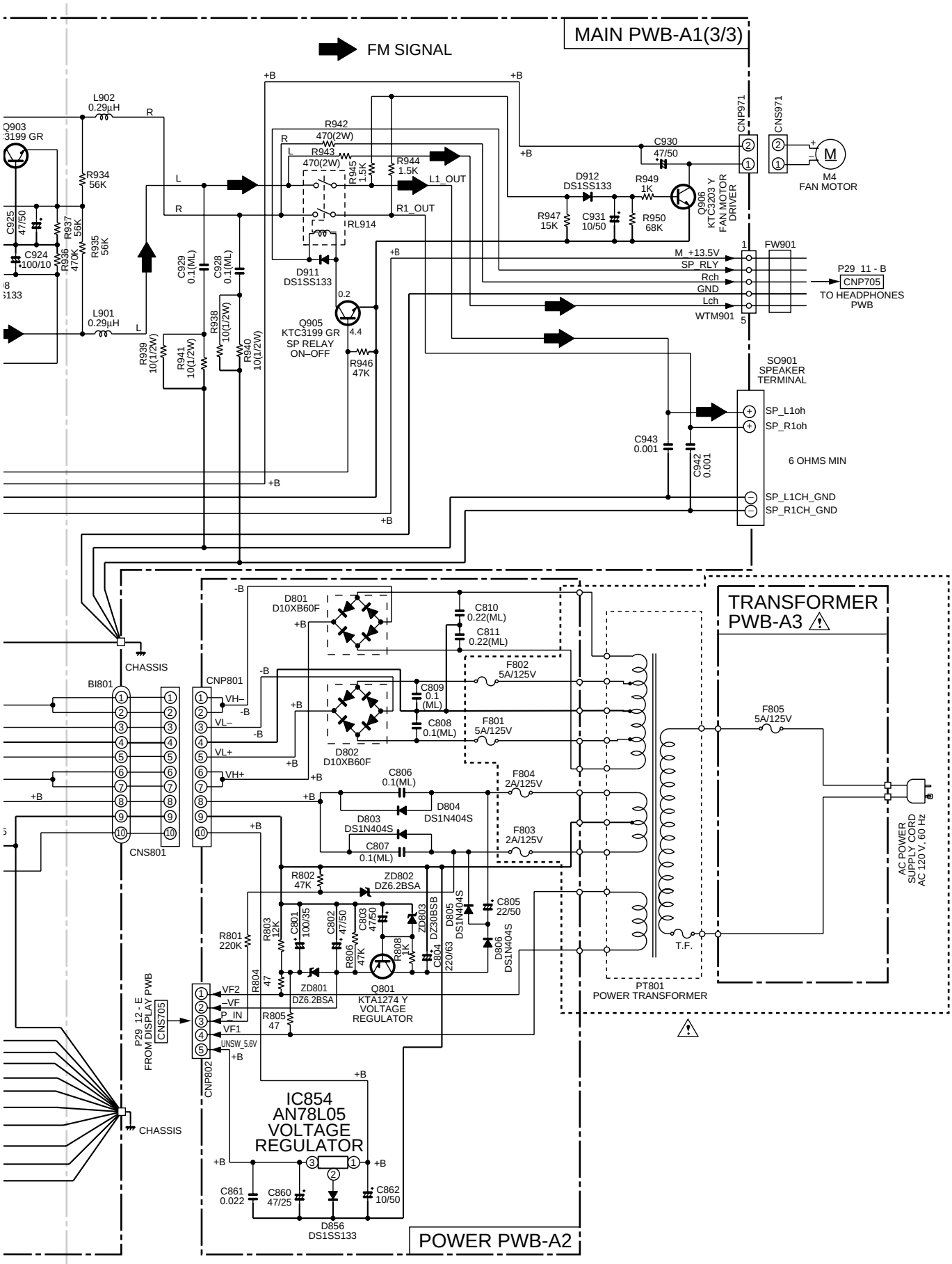
7	8	9	10	11	12

Figure 25 SCHEMATIC DIAGRAM (4/10)



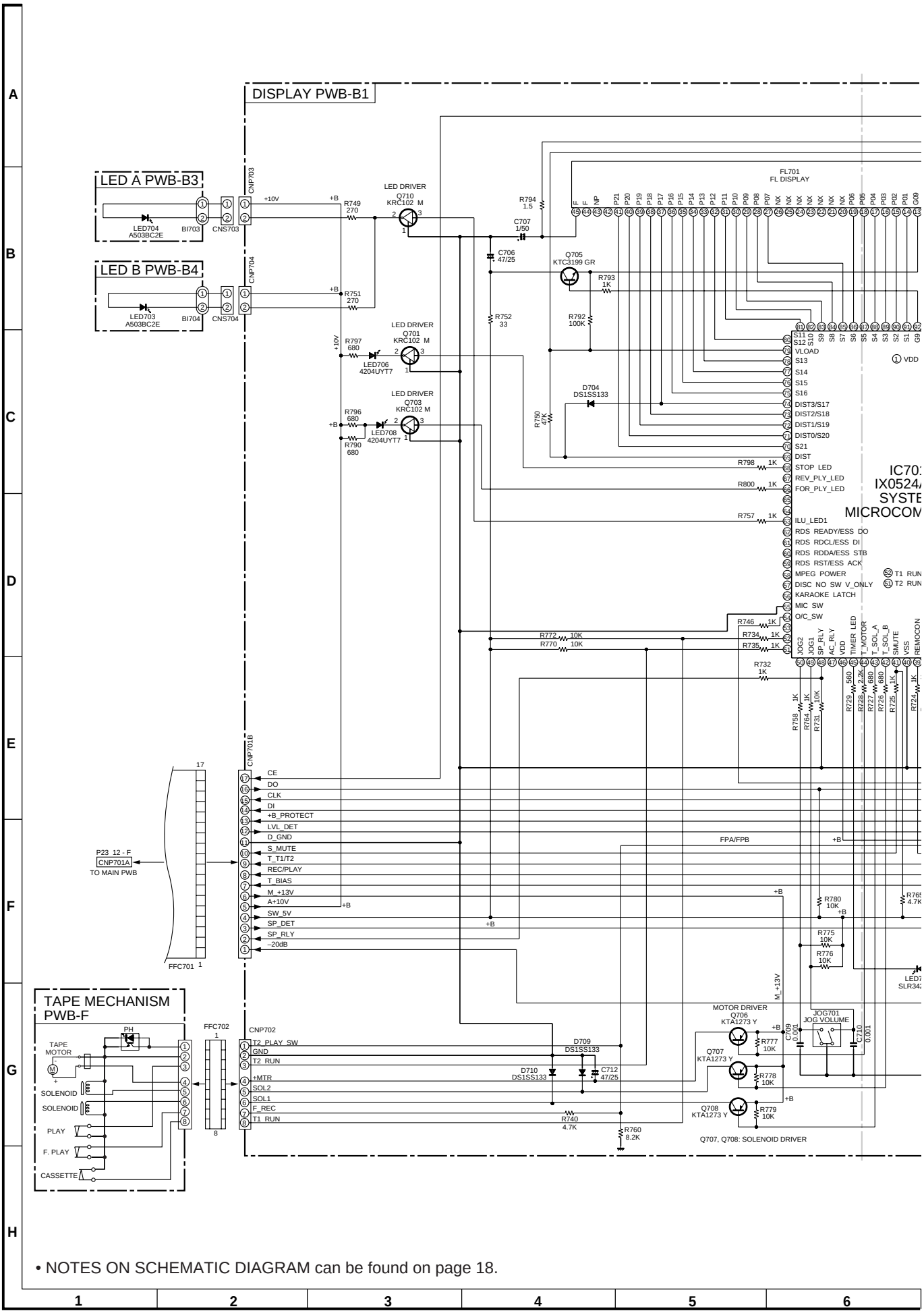
• NOTES ON SCHEMATIC DIAGRAM can be found on page 18.

Figure 26 SCHEMATIC DIAGRAM (5/10)



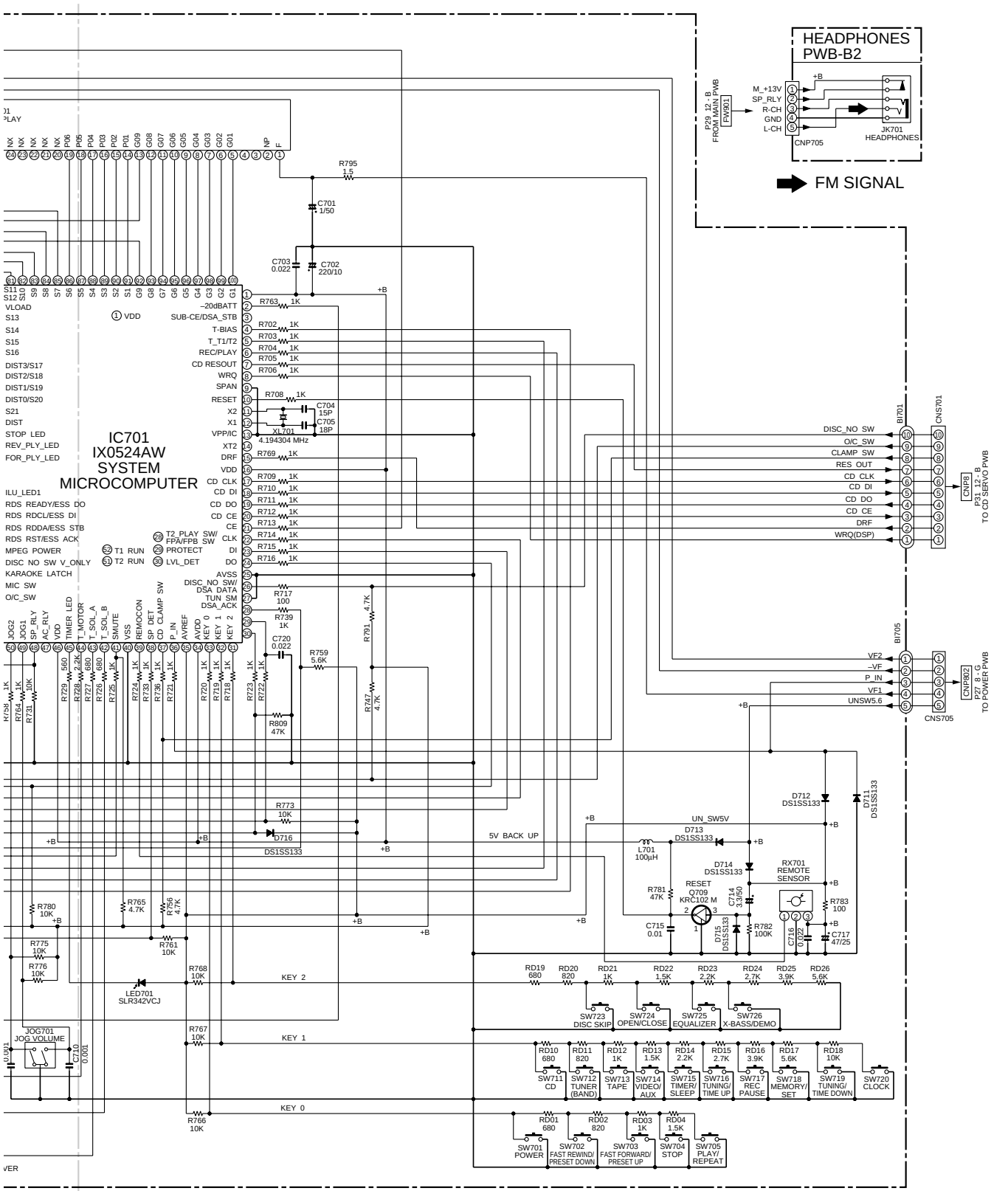
7	8	9	10	11	12

Figure 27 SCHEMATIC DIAGRAM (6/10)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 18.

Figure 28 SCHEMATIC DIAGRAM (7/10)



7	8	9	10	11	12

Figure 29 SCHEMATIC DIAGRAM (8/10)

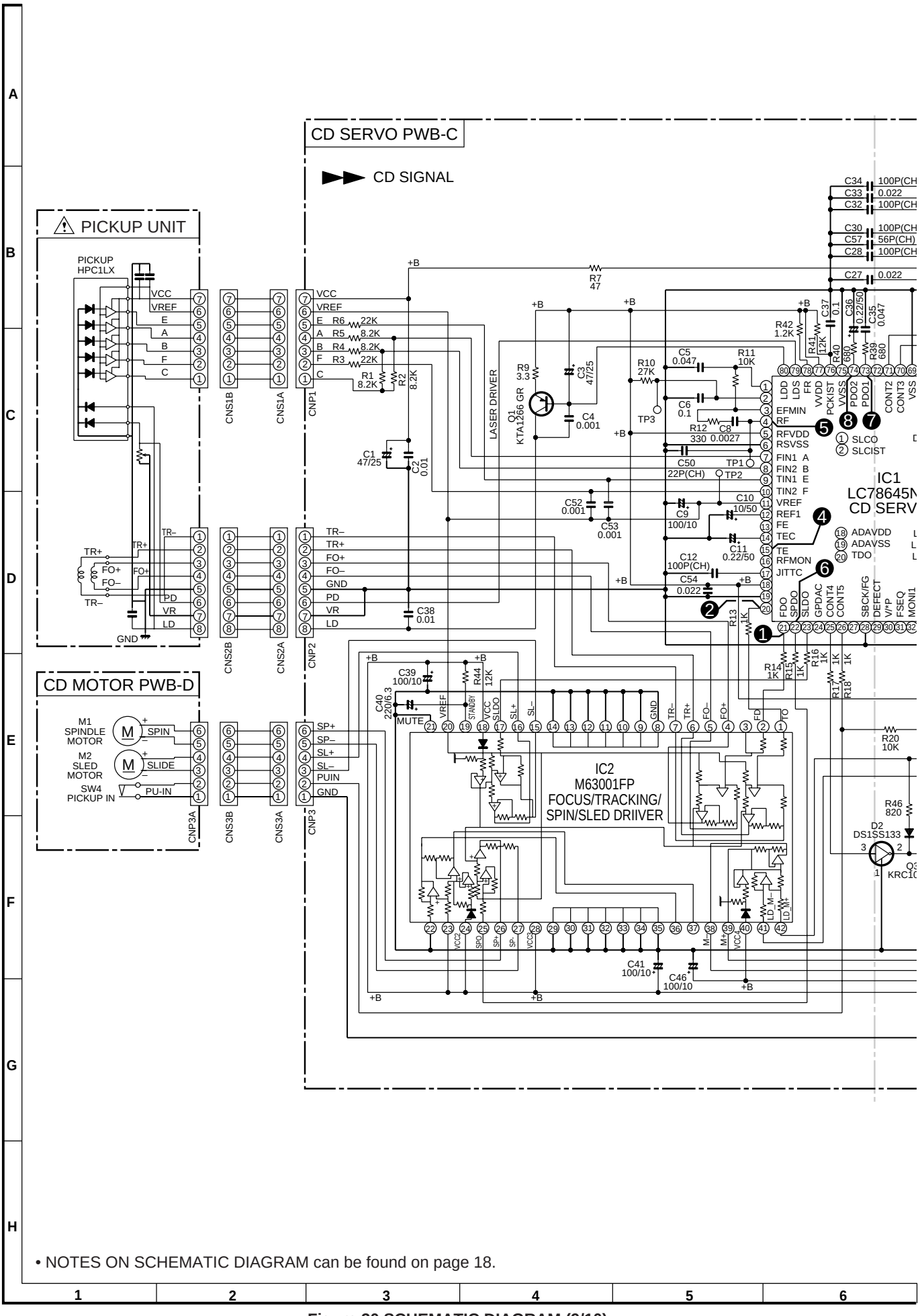
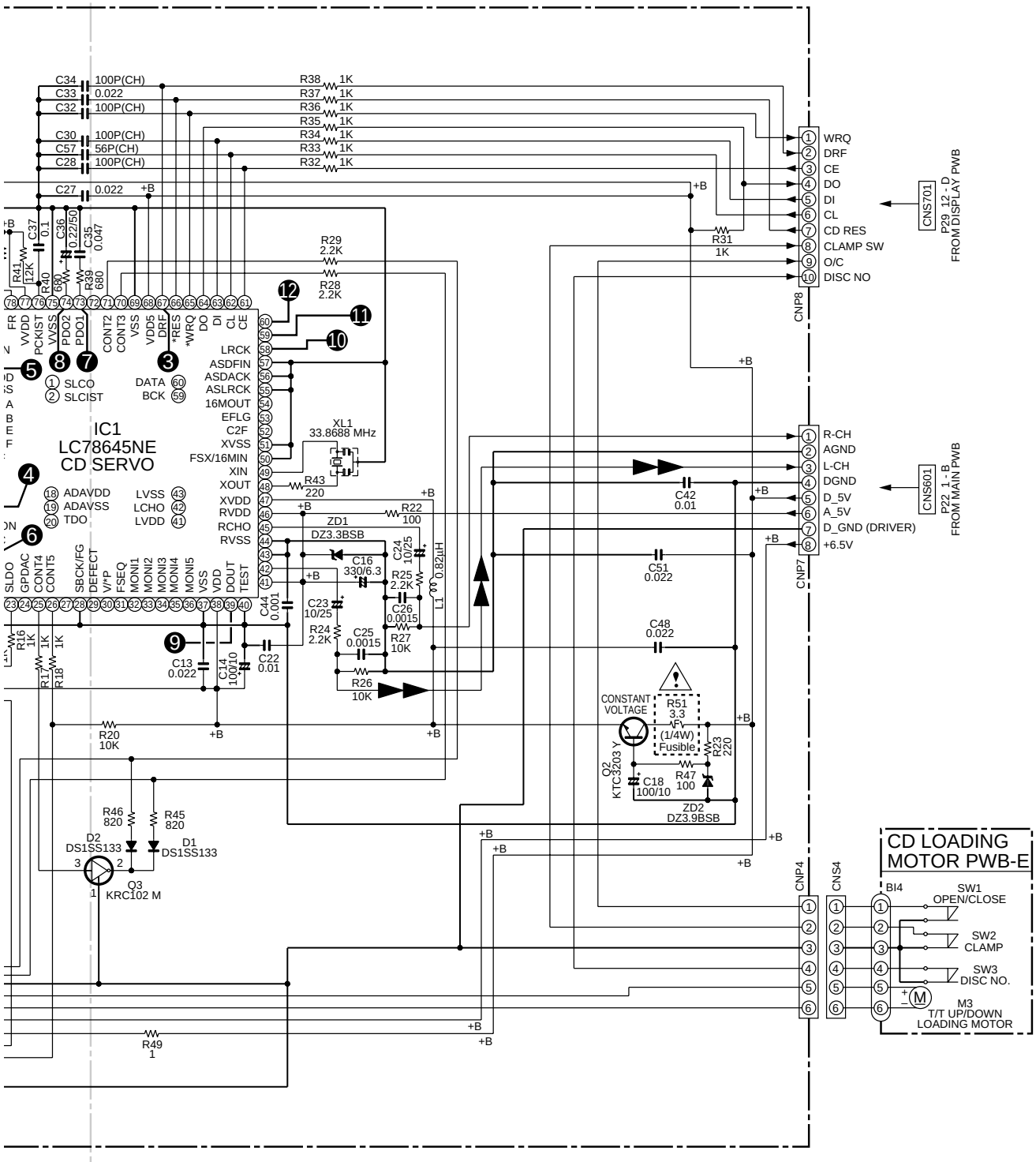


Figure 30 SCHEMATIC DIAGRAM (9/10)



• The numbers ❶ to ⓬ are waveform numbers shown in page 40.

7	8	9	10	11	12

Figure 31 SCHEMATIC DIAGRAM (10/10)

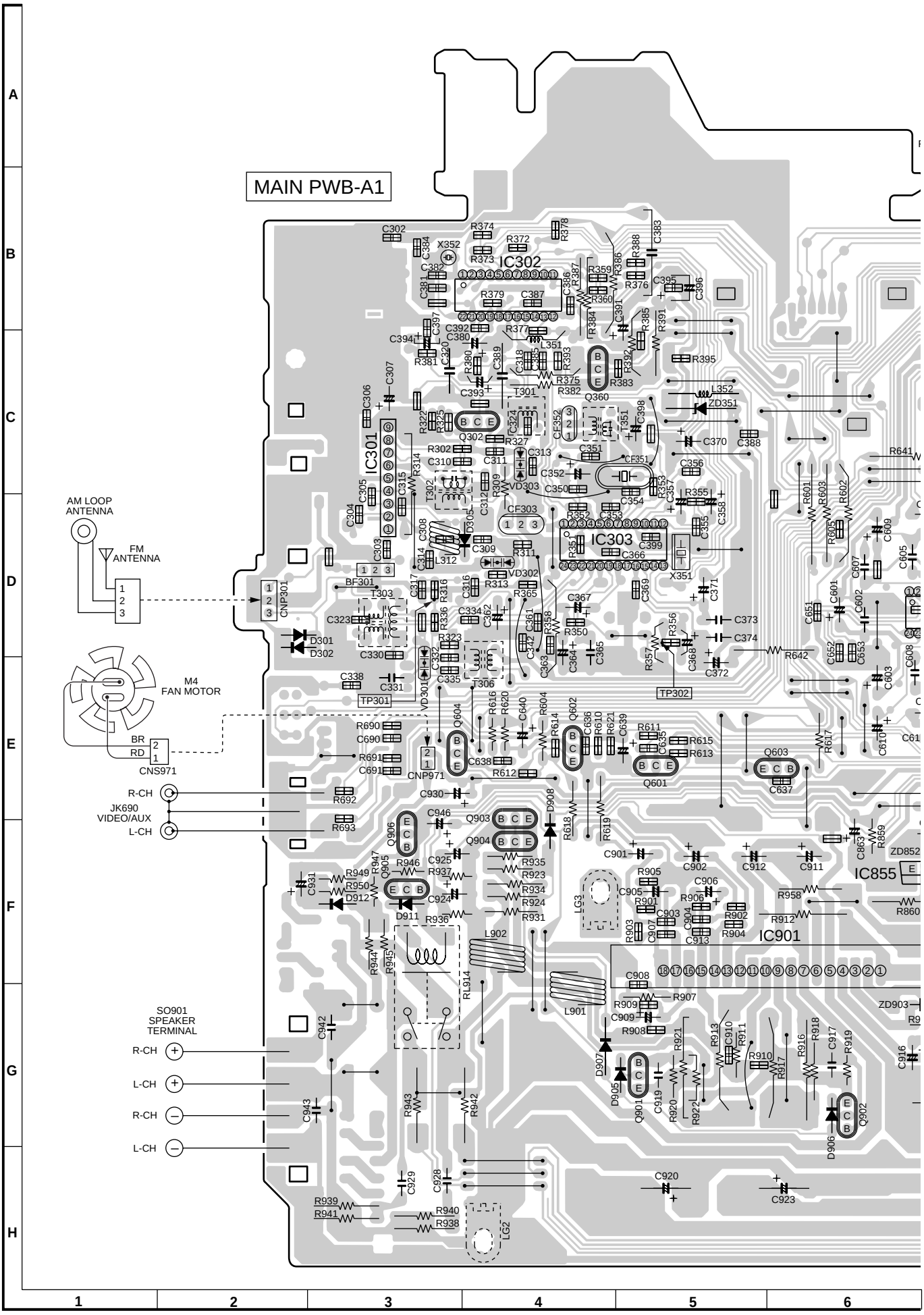
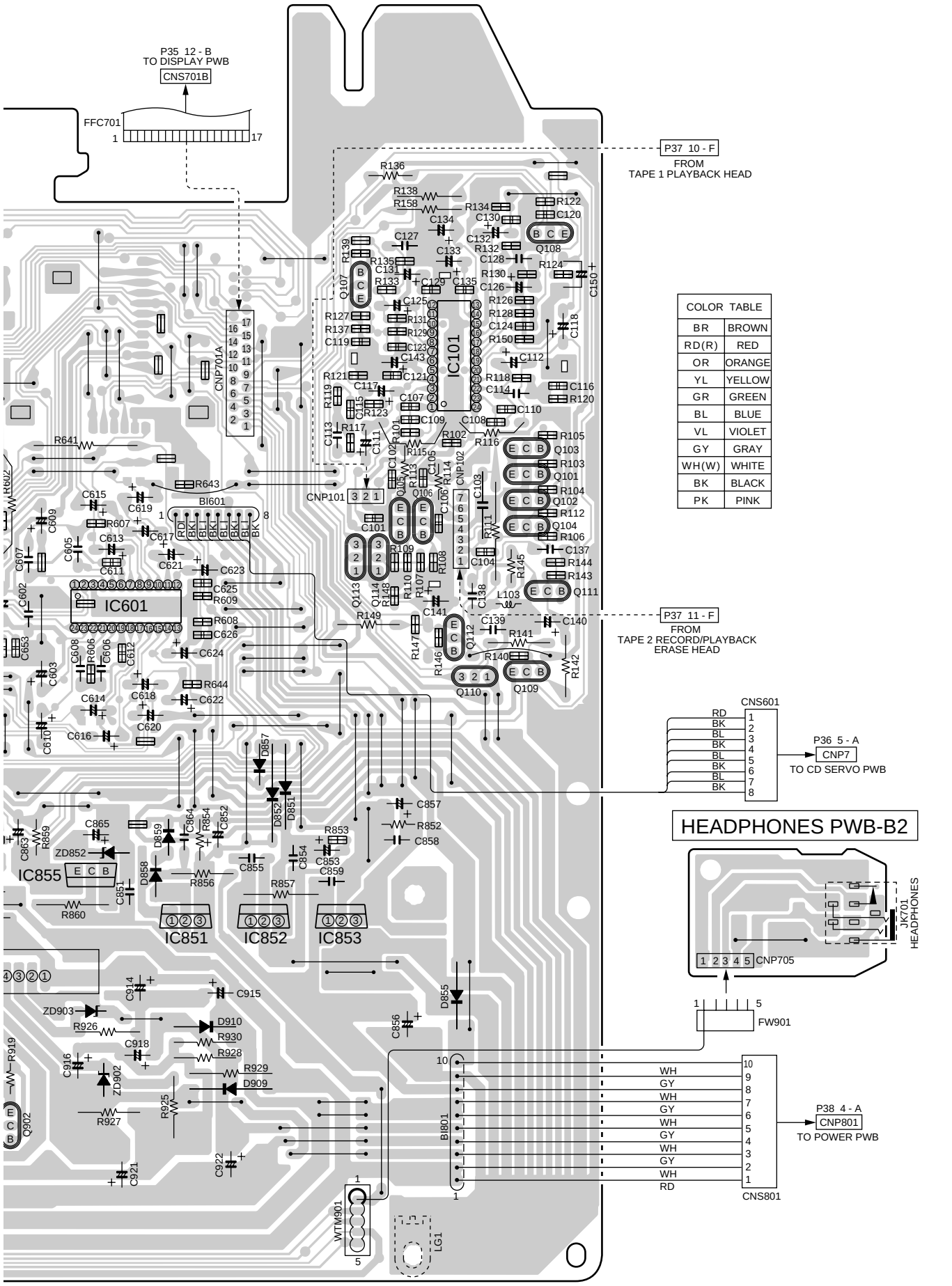


Figure 32 WIRING SIDE OF P.W.BOARD (1/7)



7	8	9	10	11	12

Figure 33 WIRING SIDE OF P.W.BOARD (2/7)

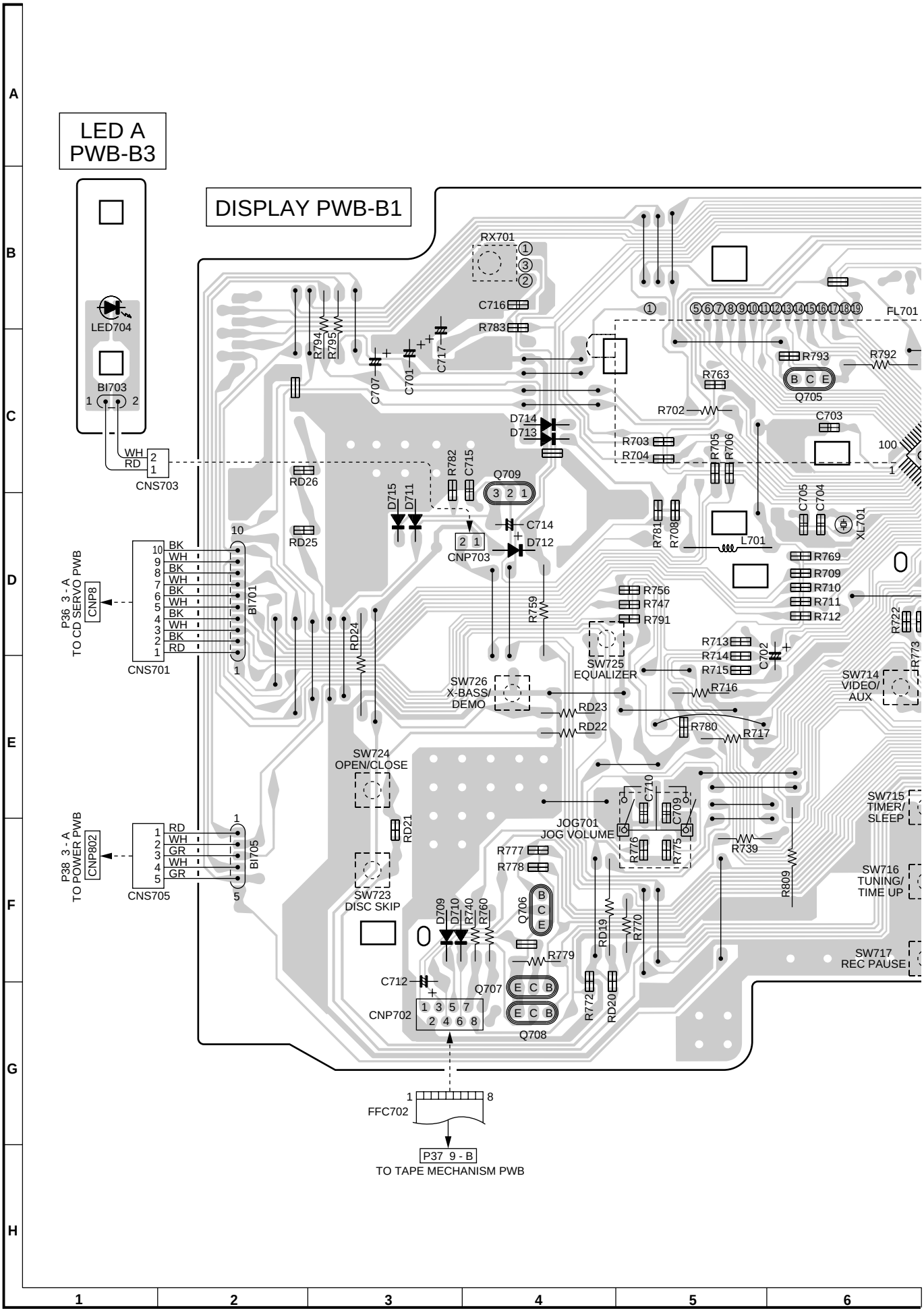
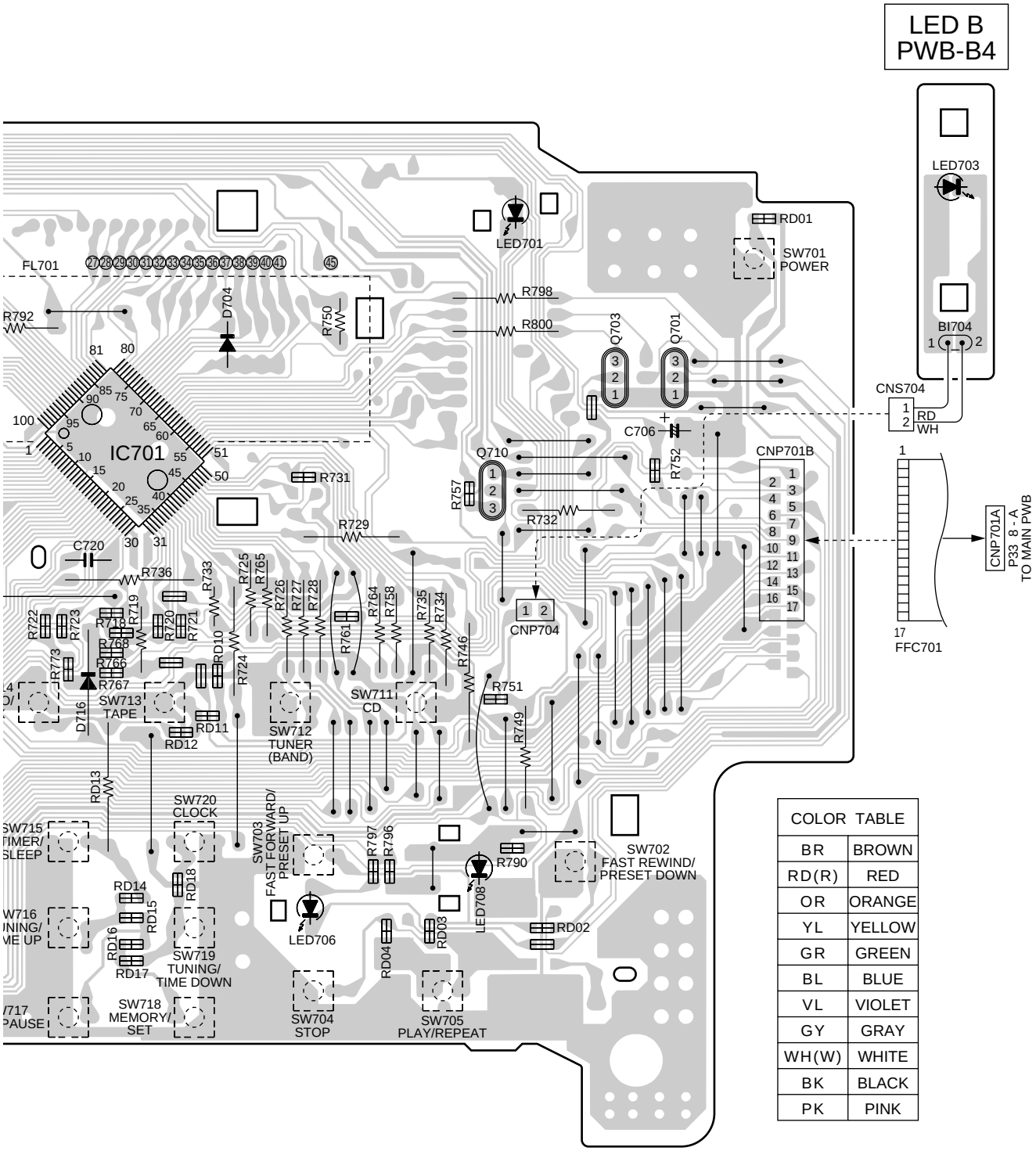


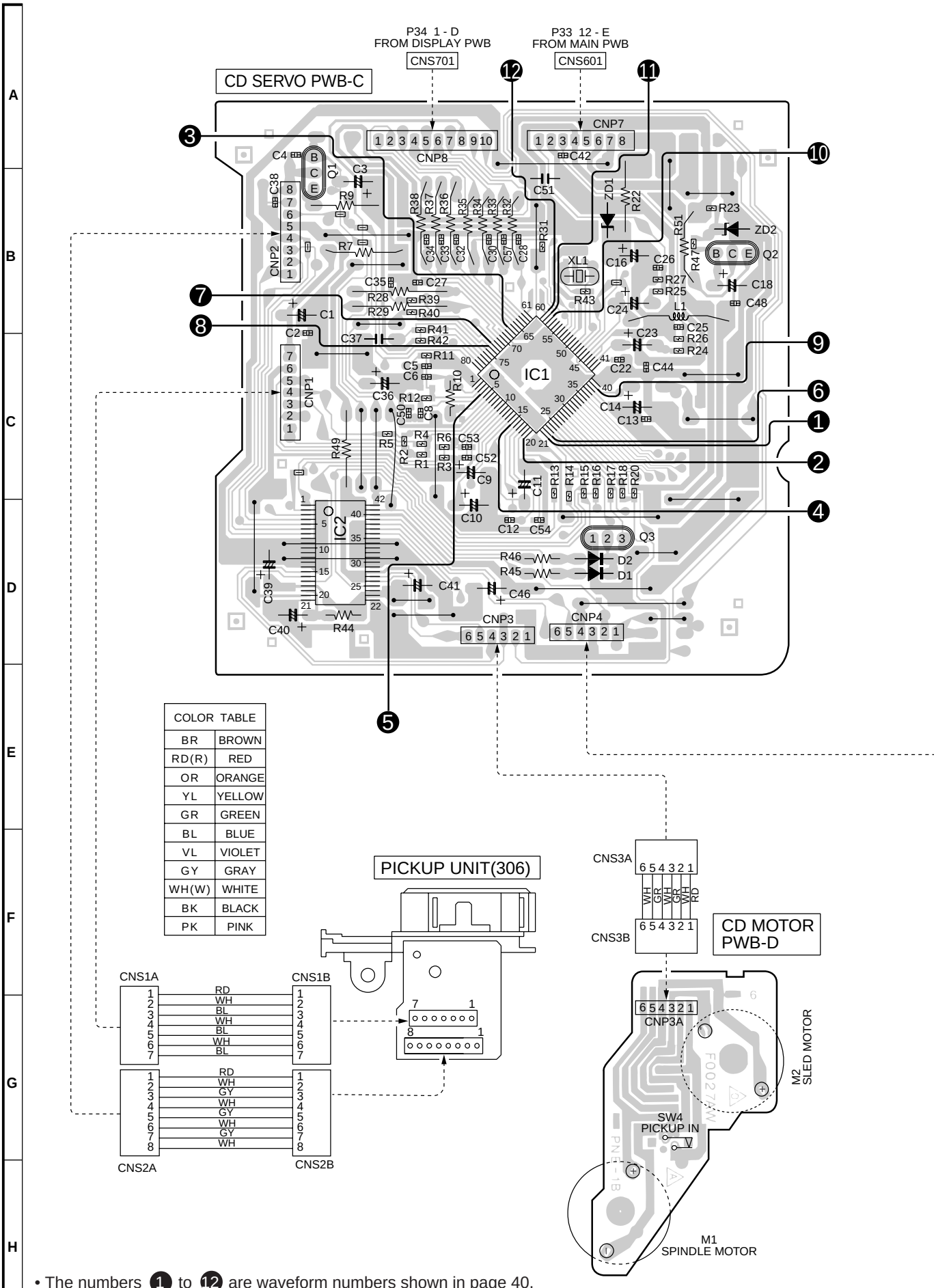
Figure 34 WIRING SIDE OF P.W.BOARD (3/7)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

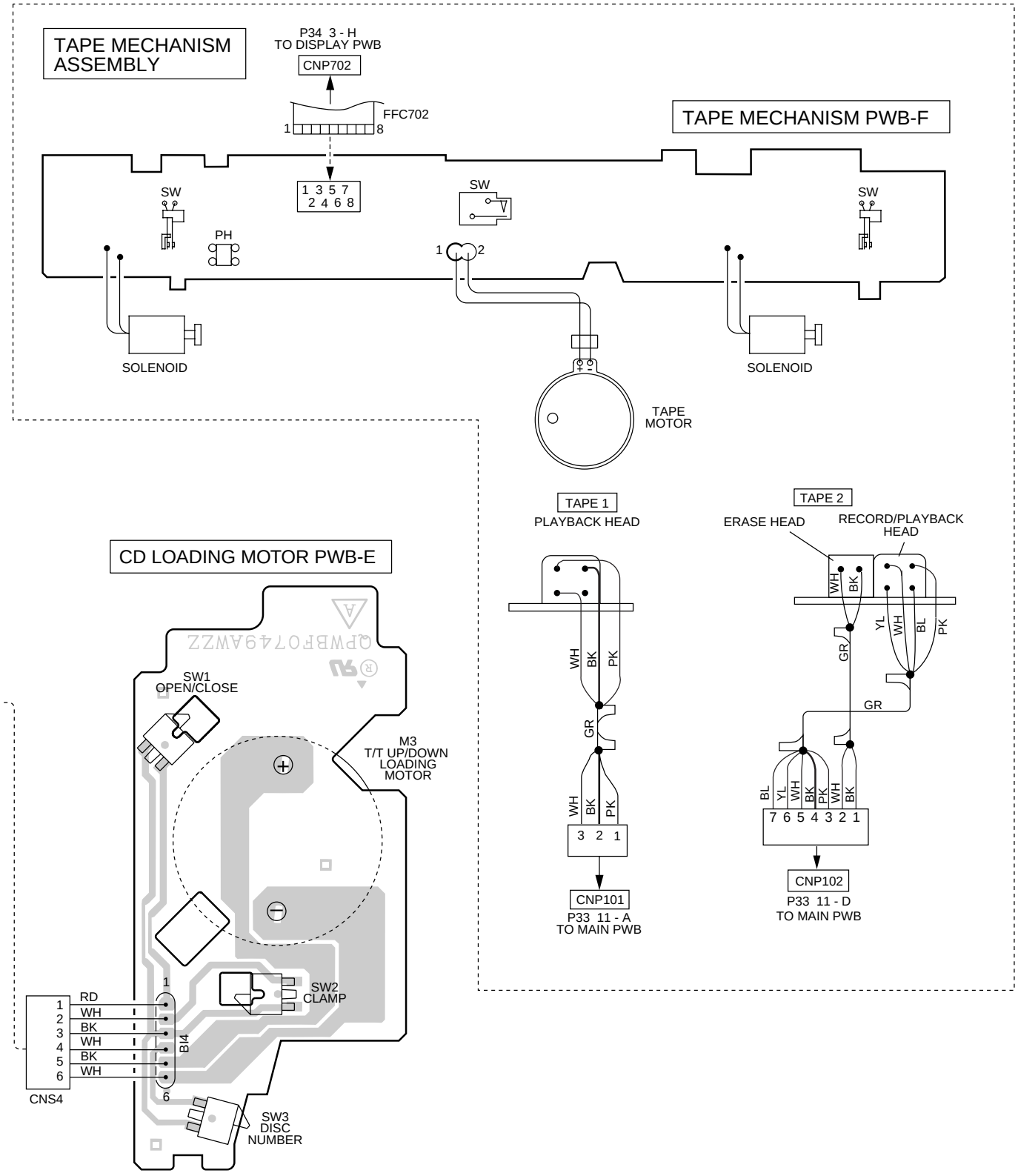
7	8	9	10	11	12

Figure 35 WIRING SIDE OF P.W.BOARD (4/7)



• The numbers ❶ to ⓬ are waveform numbers shown in page 40.

Figure 36 WIRING SIDE OF P.W.BOARD (5/7)



7	8	9	10	11	12

Figure 37 WIRING SIDE OF P.W.BOARD (6/7)

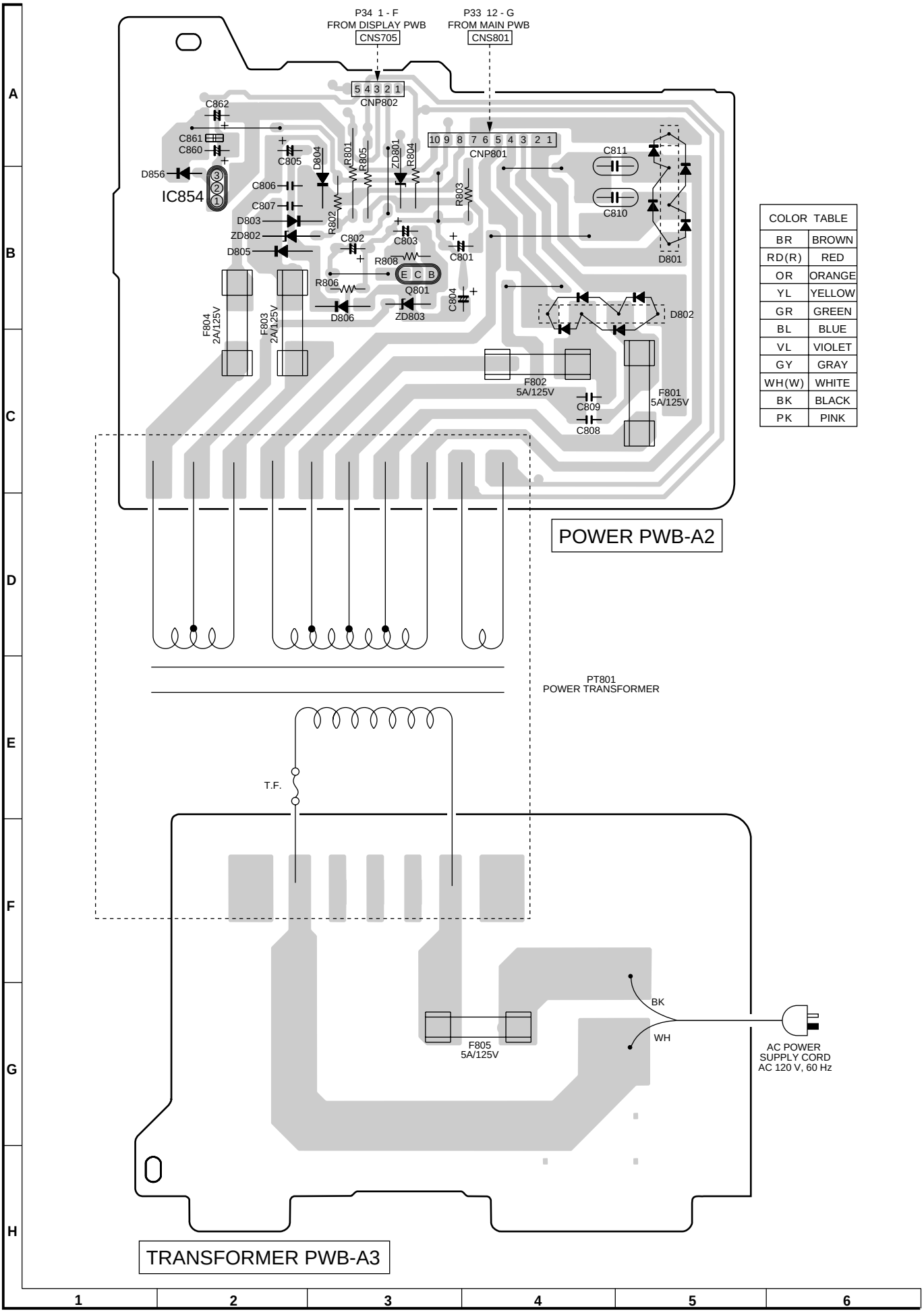


Figure 38 WIRING SIDE OF P.W.BOARD (7/7)

VOLTAGE

IC101	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0.56 V
4	1.996 V
5	N.C.
6	1.303 V
7	0 V
8	0.587 V
9	3.54 V
10	3.46 V
11	0 V
12	0 V
13	7.03 V
14	4.2 V
15	0 V
16	3.46 V
17	0.587 V
18	0 V
19	2.68 V
20	N.C.
21	2.02 V
22	0.561 V
23	0 V
24	0 V

IC851	
PIN NO.	VOLTAGE
1	20.2 V
2	1.351 V
3	13.41 V

IC852	
PIN NO.	VOLTAGE
1	19.9 V
2	0 V
3	10.09 V

IC853	
PIN NO.	VOLTAGE
1	20.4 V
2	0 V
3	5 V

IC854	
PIN NO.	VOLTAGE
1	20.43 V
2	0.59 V
3	5.72 V

IC302	
PIN NO.	VOLTAGE
1	2.6 V
2	0 V
3	0 V
4	0 V
5	0 V
6	5.07 V
7	10.05 V
8	4.78 V
9	0 V
10	0 V
11	5.23 V
12	0 V
13	5.23 V
14	0 V
15	0 V
16	2.6 V
17	5.25 V
18	0 V
19	0 V
20	0.838 V
21	0 V
22	2.71 V

IC301	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	0 V
6	0 V
7	0 V
8	0 V
9	0 V

IC855	
PIN NO.	VOLTAGE
E	7.69 V
C	13.37 V
B	8.24 V

IC601	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	5 V
5	5 V
6	5 V
7	5 V
8	5 V
9	5 V
10	5 V
11	5 V
12	5 V
13	5 V
14	5 V
15	5 V
16	5 V
17	5 V
18	5 V
19	5 V
20	5 V
21	5 V
22	5 V
23	10.07 V
24	0 V

IC303	
PIN NO.	VOLTAGE
1	2.13 V
2	5.15 V
3	2.13 V
4	2.13 V
5	0 V
6	5.23 V
7	5.23 V
8	3.6 V
9	5.15 V
10	4.43 V
11	1.836 V
12	1.265 V
13	2.32 V
14	1.25 V
15	1.269 V
16	2.12 V
17	0 V
18	5.01 V
19	5.02 V
20	5.02 V
21	5.04 V
22	5.04 V
23	10.08 V
24	0 V

IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.85 V	51	4.93 V
2	4.78 V	52	4.93 V
3	0 V	53	N.C.
4	0 V	54	0 V
5	4.71 V	55	0 V
6	4.75 V	56	0 V
7	4.78 V	57	0 V
8	4.92 V	58	0 V
9	0 V	59	0 V
10	4.89 V	60	0 V
11	2.32 V	61	0 V
12	2.014 V	62	0 V
13	0 V	63	4.82 V
14	4.78 V	64	4.84 V (N.C.)
15	0 V	65	4.84 V (N.C.)
16	4.79 V	66	4.82 V
17	4.72 V	67	0 V
18	0.14 V	68	4.82 V
19	4.86 V	69	-27.4 V
20	0.1 V	70	-30.4 V
21	0 V	71	-30.4 V
22	0 V	72	-18.2 V
23	0 V	73	-30.4 V
24	5.02 V	74	-27.4 V
25	0 V	75	-21.1 V
26	4.93 V	76	-24.2 V
27	0 V	77	-27.3 V
28	5.08 V	78	-15.13 V
29	5.07 V	79	-30.5 V
30	0 V	80	-27.3 V
31	5.08 V	81	-18.23 V
32	3.31 V	82	-27.3 V
33	5.08 V	83	-24.2 V
34	4.79 V	84	-30.4 V
35	5.08 V	85	-21.2 V
36	1.41 V	86	-14.95 V
37	0 V	87	-30.4 V
38	5.09 V	88	-30.3 V
39	4.95 V	89	-30.3 V
40	0 V	90	-30.3 V
41	0 V	91	-27.2 V
42	13.23 V	92	-27.2 V
43	13.23 V	93	-27.1 V
44	13.23 V	94	-27.3 V
45	3.82 V	95	-27.3 V
46	4.79 V	96	-27.3 V
47	4.78 V	97	-26.6 V
48	4.54 V	98	-27.3 V
49	0 V	99	-27.3 V
50	4.93 V	100	-27.3 V

IC1			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	1.6 V	41	3.7 V
2	1.0 V	42	3.7 V
3	1.6 V	43	0 V
4	1.8 V	44	0 V
5	3.3 V	45	3.7 V
6	0 V	46	3.2 V
7	1.6 V	47	3.2 V
8	1.6 V	48	3.2 V
9	1.6 V	49	0 V
10	1.6 V	50	0 V
11	1.6 V	51	0 V
12	1.6 V	52	3.2 V
13	0 V	53	0 V
14	1.5 V	54	0 V
15	1.5 V	55	0 V
16	1.5 V	56	0 V
17	1.5 V	57	0 V
18	0.8 V	58	3.2 V
19	3.2 V	59	0 V
20	1.6 V	60	0 V
21	1.6 V	61	0 V
22	1.6 V	62	4.7 V
23	1.6 V	63	0 V
24	0 V	64	4.9 V
25	0 V	65	4.9 V
26	3.2 V	66	4.9 V
27	0 V	67	0 V
28	0 V	68	4.9 V
29	0 V	69	0 V
30	0 V	70	0 V
31	0 V	71	0 V
32	0 V	72	0 V
33	0 V	73	0 V
34	0 V	74	0 V
35	0 V	75	0 V
36	0 V	76	3.2 V
37	0 V	77	3.2 V
38	3.2 V	78	3.2 V
39	3.2 V	79	0 V
40	0 V	80	3.2 V

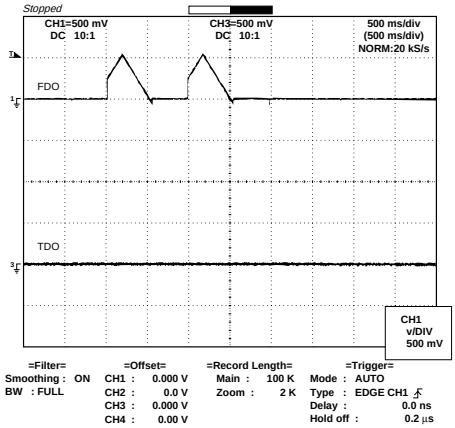
IC2	
PIN NO.	VOLTAGE
1	1.7 V
2	1.7 V
3	1.8 V
4	2.1 V
5	2.1 V
6	2.1 V
7	2.0 V
8	0 V
9	0 V
10	0 V
11	0 V
12	0 V
13	0 V
14	0 V
15	2.1 V
16	2.1 V
17	1.6 V
18	4.9 V
19	3.0 V
20	1.6 V
21	0 V
22	0 V
23	4.9 V
24	4.9 V
25	1.8 V
26	2.1 V
27	2.1 V
28	0 V
29	0 V
30	0 V
31	0 V
32	0 V
33	0 V
34	0 V
35	0 V
36	4.2 V
37	0 V
38	2.1 V
39	2.1 V
40	4.9 V
41	3.7 V
42	3.7 V

IC901	
PIN NO.	VOLTAGE
1	58.2 V
2	25.9 V
3	14.05 V
4	13.93 V
5	25.6 V
6	58.1 V
7	0 V
8	0 V
9	0 V
10	0 V
11	0 V
12	56.7 V
13	57 V
14	0 V
15	0 V
16	55.5 V
17	0 V
18	0 V

WAVEFORMS OF CD CIRCUIT

1 IC1 (21)

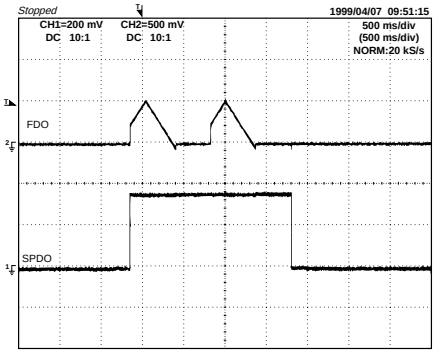
2 IC1 (20)



=Filter= =Offset= =Record Length= =Trigger=
Smoothing : ON CH1 : 0.000 V Main : 100 K Mode : AUTO
BW : FULL CH2 : 0.0 V Zoom : 2 K Type : EDGE CH1
CH3 : 0.000 V Delay : 0.0 ns
CH4 : 0.00 V Hold off : 0.2 µs

1 IC1 (21)

6 IC1 (22)

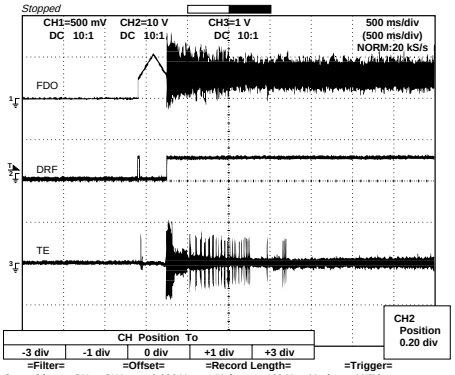


=Filter= =Offset= =Record Length= =Trigger=
Smoothing : ON CH1 : 0.000 V Main : 100 K Mode : NORMAL
BW : FULL CH2 : 0.000 V Zoom : 2 K Type : EDGE CH2
CH3 : 0.00 V Delay : 2.924 ms
CH4 : 0.00 V Hold off : 0.2 µs

1 IC1 (21)

3 IC1 (67)

4 IC1 (15)

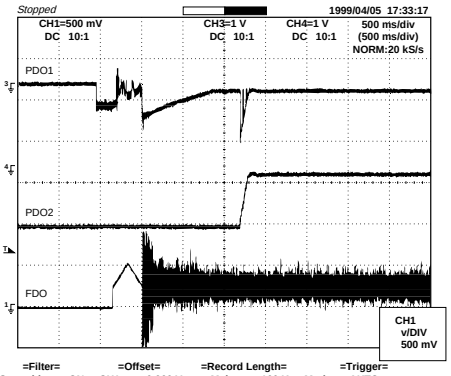


=Filter= =Offset= =Record Length= =Trigger=
Smoothing : ON CH1 : 0.000 V Main : 100 K Mode : AUTO
BW : FULL CH2 : 0.0 V Zoom : 2 K Type : EDGE CH1
CH3 : 0.00 V Delay : 0.0 ns
CH4 : 0.00 V Hold off : 0.2 µs

7 IC1 (73)

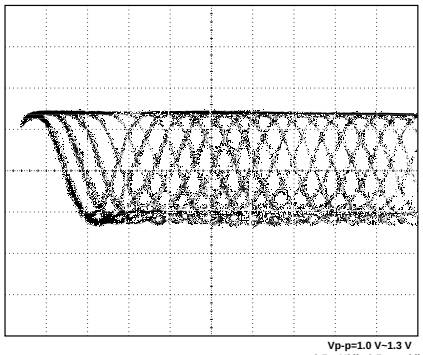
8 IC1 (74)

1 IC1 (21)

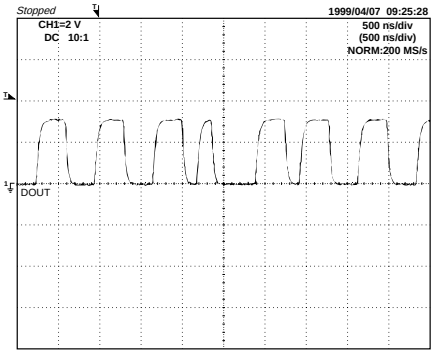


=Filter= =Offset= =Record Length= =Trigger=
Smoothing : ON CH1 : 0.000 V Main : 100 K Mode : AUTO
BW : FULL CH2 : 0.0 V Zoom : 2 K Type : EDGE CH2
CH3 : 0.00 V Delay : 0.0 ns
CH4 : 0.00 V Hold off : 0.2 µs

5 IC1 (4)



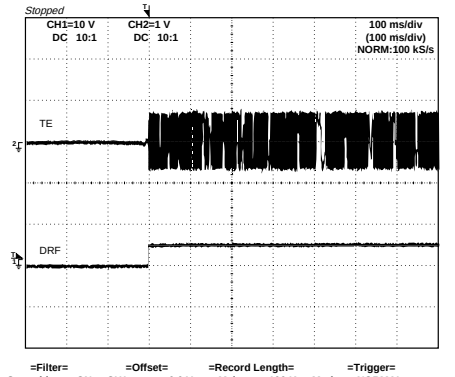
9 IC1 (39)



=Filter= =Offset= =Record Length= =Trigger=
Smoothing : ON CH1 : 0.00 V Main : 1 K Mode : NORMAL
BW : FULL CH2 : 0.00 V Zoom : 100 Type : EDGE CH1
CH3 : 0.00 V Delay : 2.887 ms
CH4 : 0.00 V Hold off : 0.2 µs

4 IC1 (15)

3 IC1 (67)

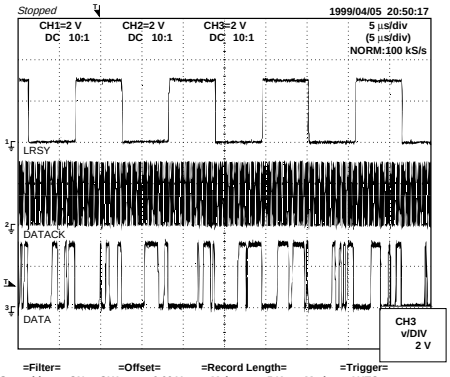


=Filter= =Offset= =Record Length= =Trigger=
Smoothing : ON CH1 : 0.0 V Main : 100 K Mode : NORMAL
BW : FULL CH2 : 0.00 V Zoom : 2 K Type : EDGE CH1
CH3 : 0.00 V Delay : 2.924 ms
CH4 : 0.00 V Hold off : 0.2 µs

10 IC1 (58)

11 IC1 (59)

12 IC1 (60)



=Filter= =Offset= =Record Length= =Trigger=
Smoothing : ON CH1 : 0.00 V Main : 5 K Mode : AUTO
BW : FULL CH2 : 0.00 V Zoom : 100 Type : EDGE CH3
CH3 : 0.00 V Delay : 0.0 ns
CH4 : 0.00 V Hold off : 0.2 µs

TROUBLESHOOTING

When the CD does not function

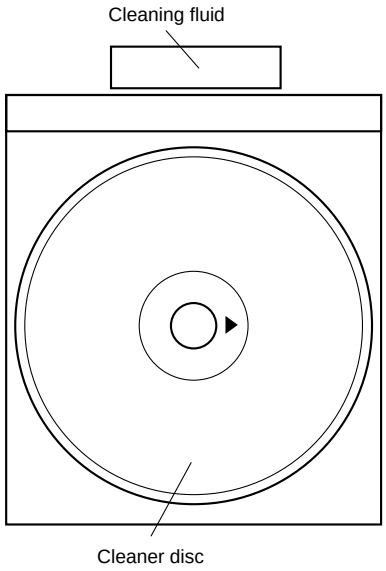
When the CD section does not operate when the objective lens of the optical pickup is dirty, this section may not operate. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.
Remove the cabinet and follow the trouble shooting instructions.
"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.
Do not touch the lens with the bare hand.

		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down,then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continuous to turn, press the stop button.



CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD-ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.

When a CD cannot be played

1. "E-CD01" is displayed.

(1) Check the power to IC1 (LC78645NE), the presence of the clock signal (33.8688 MHz) and the status of the RESET terminal (pin 66 on IC1).
(2) Does the pickup move to the PICKUP-IN Switch (SW4) position?

If (1) and (2) are OK, check the system microcomputer (especially the communication line with the DSP).

2. Pressing the CD operation key is accepted, but playback does not occur.

(1) Focus-HF system check
(2) Tracking system check
(3) Spin system check
(4) PLL system check
(5) Others

(1) Focus-HF system check.

Although a CD is inserted and the cover is closed, "NO DISC" is displayed.

Press the OPEN/CLOSE switch (SW1) without inserting a disc, and try starting the playback operation.

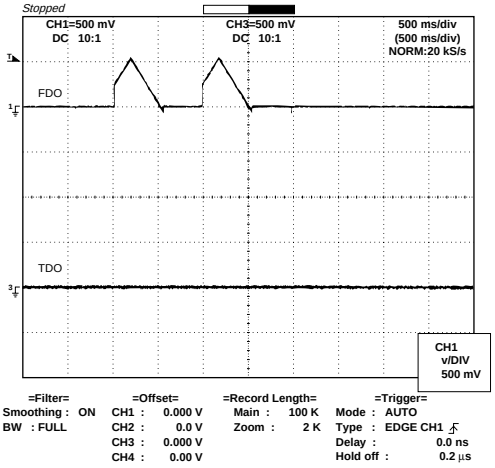


Figure 42-1

1. Does the pickup move to the PICKUP-IN Switch (SW4) position ?
   - No → Sled motor (M2).
   - Yes ↓
2. Does the focus (lens) move up and down ? (Waveform drawing Figure 42-1)
   - No → Check the focus peripheral circuit.
   - Yes ↓
3. Is the laser lit ?
   - No → Check the laser diode driver Q1 peripheral circuit.
   - Yes ↓
4. Is the turntable rotating ?
   - No → Spindle motor (M1).

When a disc is loaded, start playback operation.

1. Is focus servo activated ? (Waveform drawing Figure 42-2)
   - No → Pins 7~11, 79 and 80 on IC1 Check the laser diode driver Q1 peripheral circuit.
   - Yes ↓
2. Does DRF change from "L" to "H" ?
   - No → Is the disc rotating ?
     - No → Check the spin system.
     - Yes → If the disc is spinning and a HF waveform is generated, DRF will go H.
   - Yes ↓
3. Is the HF waveform normal ? (Waveform drawing Figure 42-3)
   - No → If the level is not normal.

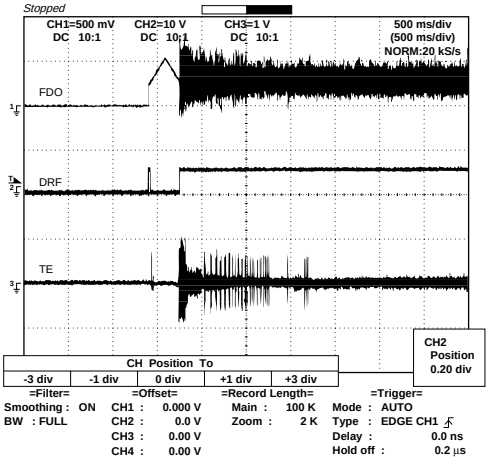


Figure 42-2

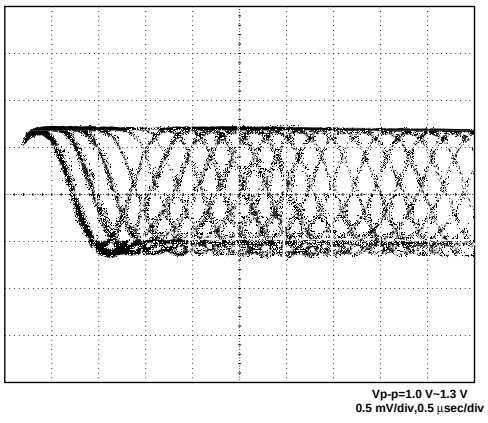


Figure 42-3

(2) Tracking system check.

Check the TE waveform at pin 15 on IC1.

If the waveform shown in Figure 43-1 appears and soon after NO DISC appears ?
- Yes → The tracking servo is not activated. Check the peripheral circuits at pins 14, 15 and 20 on IC1, and CNS1A/B.
- No ↓

"Initialization" is possible, but play is not possible ?
- Yes → A normal jump operation cannot be completed or the beginning of the track cannot be found. Check the around pin 20 on IC1.
- No ↓

"Initialization" is not possible. → Data cannot be read. Check the VCO-PLL system.

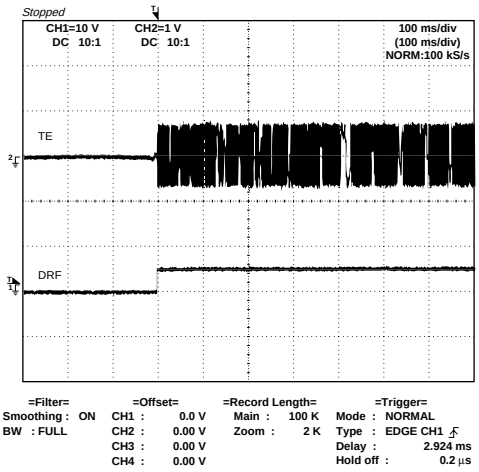


Figure 43-1

(3) Spin system check.

Press the OPEN/CLOSE switch without inserting a disc, and then try starting the play operation.

1. The turntable rotates a little ? (Waveform drawing Figure 43-2)
   - Yes → The spin driver circuit is OK.
   - No ↓

2. The turntable doesn't rotate. → Check around pin 22 on IC1, pins 15 and 16 on IC3, and CNS3A/B.

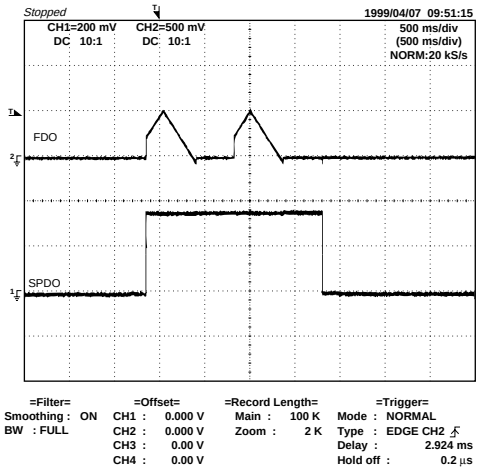


Figure 43-2

(4) PLL system check.

When a disc is loaded, start play operation.

↓

The HF waveform is normal, but the TOC data cannot be read.

↓

Check the PDO waveform. (Figure 44-1)

↓

Check around pins 73~78 on IC1.

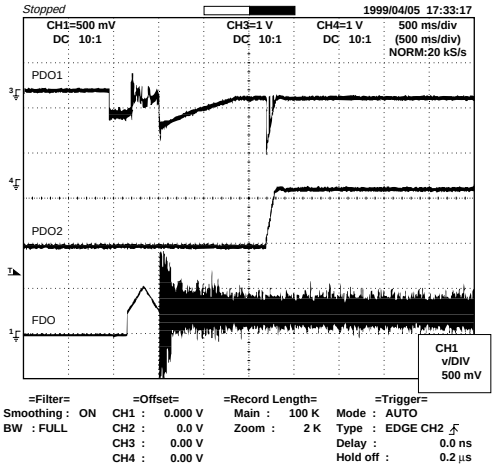


Figure 44-1

(5) Others.

The HF waveform is normal and the time is displayed normally, but no sound is produced. Or the sound has dropouts.

Is pin 52 (C2F) on IC1 "L" ?

No → There are too many error flags on a damaged disc which makes error correction impossible.

↓

Check again using a known good disc.

Yes

↓

1. When playing at normal speed
   Check the peripheral circuit at pin 39 (DOUT) on IC1 and the waveform (Figure 44-2).

↓

If OK, Check the unit.

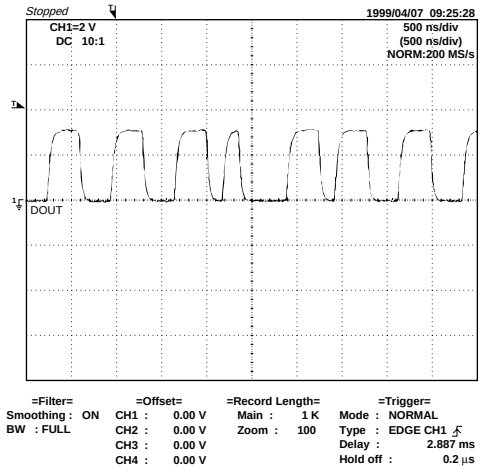


Figure 44-2

FUNCTION TABLE OF IC

IC1 VHiLC78645NE1: CD Servo (LC78645NE) (1/2)

Pin No.	Terminal Name	Input/Output	Setting in Reset	Function	
1	SLCO	Output	—	For slice level control.	Control output.
2	SLCIST	Input	—		Resistor connection terminal for SLCO output current setting.
3	EFMIN	Input	—		RF signal input terminal.
4	RF	Output	—	RF signal monitor terminal.	
5	RFVDD	Input	—	RF power terminal.	
6	RFVSS	—	—	RF earth terminal. To be connected to 0 V.	
7	FIN1	Input	—	A+C signal input terminal.	
8	FIN2	Input	—	B+D signal input terminal.	
9	TIN1	Input	—	E signal input terminal.	
10	TIN2	Input	—	F signal input terminal.	
11	VREF	Output	RFVDD/2	VREF voltage output terminal.	
12	REF1	Input	—	Reference supply setting terminal.	
13*	FE	Output	ZHI	FE signal monitor terminal.	
14	TEC	Output	–	LPF capacitor connection terminal for TE signal.	
15*	TE	Output	ZHI	TE signal monitor terminal.	
16*	RFMON	Output	ZHI	RF internal signal monitor terminal.	
17	JITTC	–	—	Capacitor connection terminal for jitter detection.	
18	ADAVDD	Input	—	Power terminal for servo A/D, D/A.	
19	ADAVSS	—	—	Earth terminal for serve A/D, D/A. To be connected to 0 V.	
20	TDO	Output	ADAVDD/2	Output terminal for tracking control. D/A output.	
21	FDO	Output	ADAVDD/2	Output terminal for focus control. D/A output.	
22	SPDO	Output	ADAVDD/2	Output terminal for spindle control. D/A output.	
23	SLDO	Output	ADAVDD/2	Output terminal for sled control. D/A output.	
24*	GPDAC	Output	ADAVDD/2	Servo D/A general-purpose output terminal.	
25	CONT4	Input/Output	Input Mode	General-purpose I/O terminal 4.	Controlled by commands from the microcomputer. When not used, set them as input terminals and connect to 0 V, or set them as output terminals and leave open.
26	CONT5	Input/Output	Input Mode	General-purpose I/O terminal 5.	
27*	SBCK/CONT6	Input/Output	Input Mode	General-purpose I/O terminal 6 or Subcode reading clock input terminal.	
28	SBCK/FG	Input	—	Subcode reading clock input terminal/FG signal input terminal/external emphasis setting terminal. Terminal functions are set by commands. When not used, connect to 0 V.	
29*	DEFECT	Output	L	Defect terminal.	
30*	V/*P	Output	H	Auto switching monitor output terminal for rough servo phase control. “H”: rough servo, “L”: phase servo.	
31*	FSEQ	Output	L	Sync signal detection output terminal. The status changes to “H” when the sync signal detected in EFM and the sync signal of internal generation are identified.	
32*	MONI1	Output	L	Internal signal monitor terminal 1.	
33*	MONI2	Output	L	Internal signal monitor terminal 2.	
34*	MONI3	Output	L	Internal signal monitor terminal 3.	
35*	MONI4	Output	L	Internal signal monitor terminal 4.	
36*	MONI5	Output	L	Internal signal monitor terminal 5.	
37	VSS	—	—	Digital system earth terminal. To be connected to 0 V.	
38	VDD	Input	—	Digital system power terminal.	
39*	DOUT	Output	L	Digital OUT output terminal. (EIAJ format)	
40	TEST	Input	L	Input terminal for test. To be connected to 0 V.	
41	LVDD	Input	—	Left channel D/A converter	Power supply for Left channel.
42	LCHO	Output	LVDD/2		Left channel output.
43	LVSS	—	—		GND for Left channel. Must be connected to 0 V.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

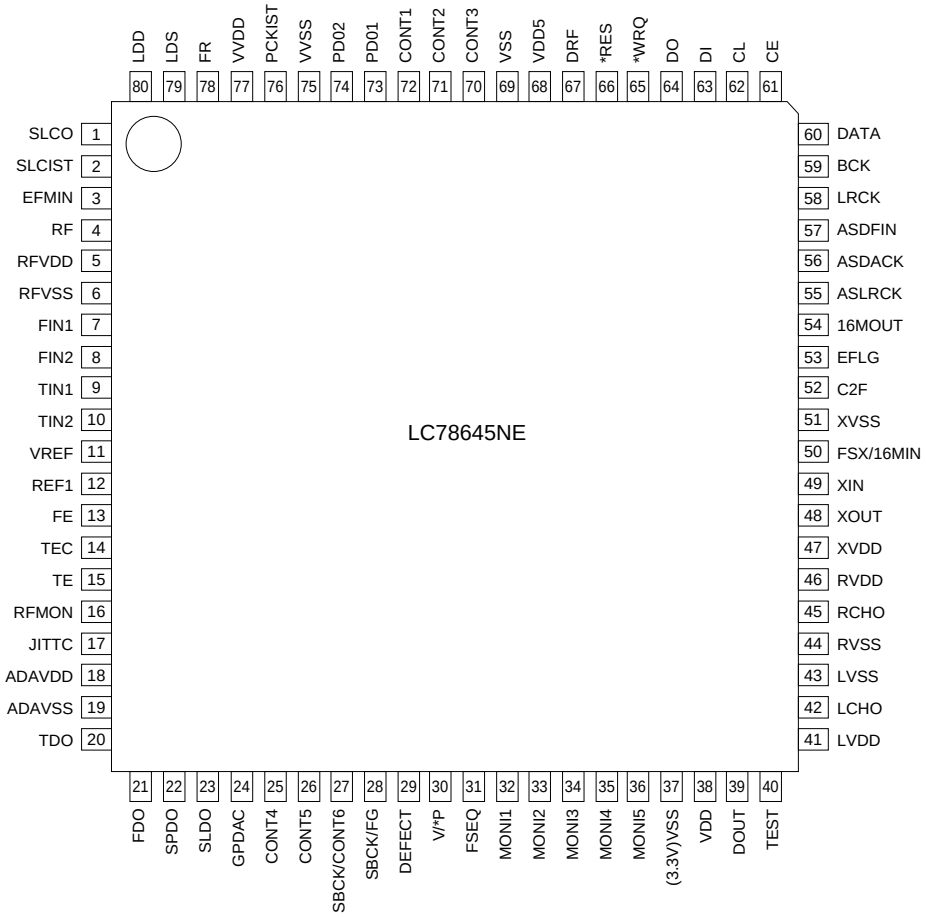
IC1 VHiLC78645NE1: CD Servo (LC78645NE) (2/2)

Pin No.	Terminal Name	Input/Output	Setting in Reset	Function	
44	RVSS	—	—	Right channel D/A converter	GND for Right channel. Must be connected to 0 V.
45	RCHO	Output	LVDD /2		Right channel output.
46	RVDD	Input	—		Power supply for Right channel.
47	XVDD	Input	—	Crystal Oscillator	Power supply for crystal oscillator.
48	XOUT	Output	—		Connected for the 33.8688 MHz crystal oscillator ciement.
49	XIN	Input	—		
50	FSX/16MIN	Input/Output	Input	7.35 kHz Synchronization signal monitor port. or Clock input port for Digital filter & D/A	
51	XVSS	—	—	Crystal Oscillator	GND for crystal oscillator. Must be connected to 0 V.
52*	C2F	Output	H	C2 FLAG monitor port.	
53*	EFLG	Output	L	C1, C2 error corrected monitor port.	
54*	16MOUT	Output	Clock	16.9344 MHz output port.	
55	ASLRCK	Input	—	Anti-shock	Word clock input port. (If this port does not use, must be connect to 0 V.)
56	ASDACK	Input	—		Bit clock input port. (If this port does not use, must be connect to 0 V.)
57	ASDFIN	Input	—		Left/Right channel data input port. (If this port does not use, must be connect to 0 V.)
58*	LRCK	Output	L	Digital data	Word clock output port.
59*	BCK	Output	L		Bit clock output port.
60*	DATA	Output	L		Left/Right channel data output port.
61	CE	Input	—	Microcomputer Interface	Chip enable signal input port.
62	CL	Input	—		Data transfer clock input port.
63	DI	Input	—		Data input port.
64	DO	Output	(H)		Data output port. (N-ch. open drain output.)
65	*WRQ	Output	H		Interruption signal output.
66	*RES	Input	—	Chip reset signal input port. This port must be set LOW after first applied power on.	
67	DRF	Output	L	Focus detection output port.	
68	VDD5	Input	—	Power supply for Microprocessor.	
69	VSS	—	—	GND for digital circuit. Must be connected to 0 V.	
70	CONT3	Input/Output	Input	General purpose port 1.	Controlled with serial data command from micro-computer. When not used, General purpose input/ output terminal 7. set it as the input terminal and open it by connecting to 0 V, or set it as the output terminal and open it.
71	CONT2	Input/Output	Input	General purpose port 2.	
72*	CONT1	Input/Output	Input	General purpose port 3.	
73	PDO1	Output	—	PLL	Internal VCO control phase comparator output port 1.
74	PDO2	Output	Input		Internal VCO control phase comparator output port 2.
75	VVSS	—	—		GND for internal VCO. Must be connected to 0 V.
76	PCKIST	Input	—		PDO output current adjustment resistor connection port.
77	VVDD	Input	—		Power supply for internal VCO.
78	FR	Input	—		VCO frequency range adjustment port.
79	LDS	Input	—	LASER power detected signal input port.	
80	LDD	Output	—	LASER power control signal output port.	

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

Be sure to supply the same potential to each power terminal. (VVDD, ADAVDD, VDD, LVDD, RVDD, XVDD)
Terminal witch is controlled by the power terminal (VDD5 V) for a microcomputer interface :
CE (61 pin), CL (62 pin), DI (63 pin), DO (64 pin), WRQ (65 pin), RES (66 pin), DRF (67 pin)

IC1 VHiLC78645NE1: CD Servo (LC78645NE)



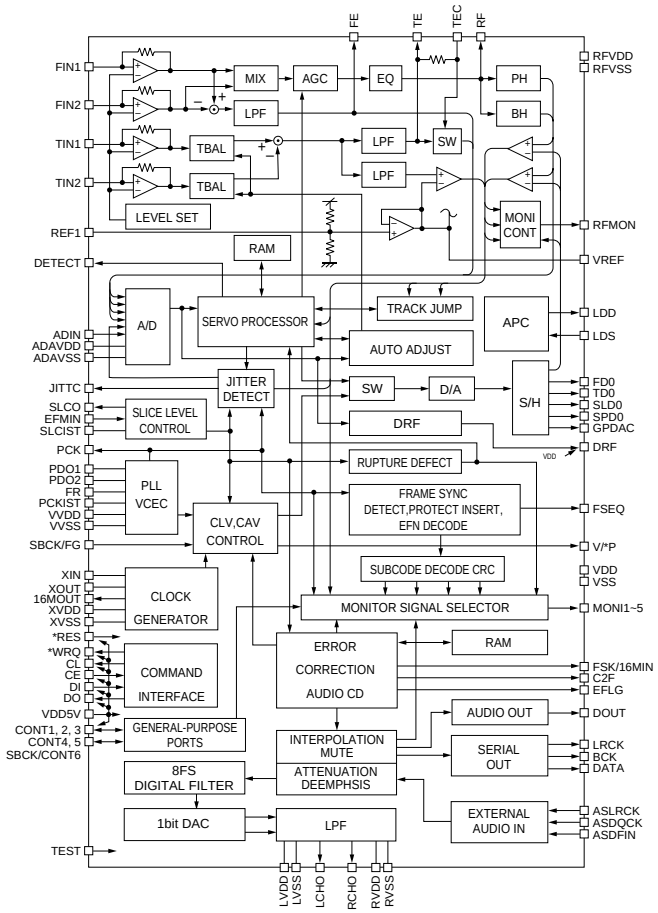
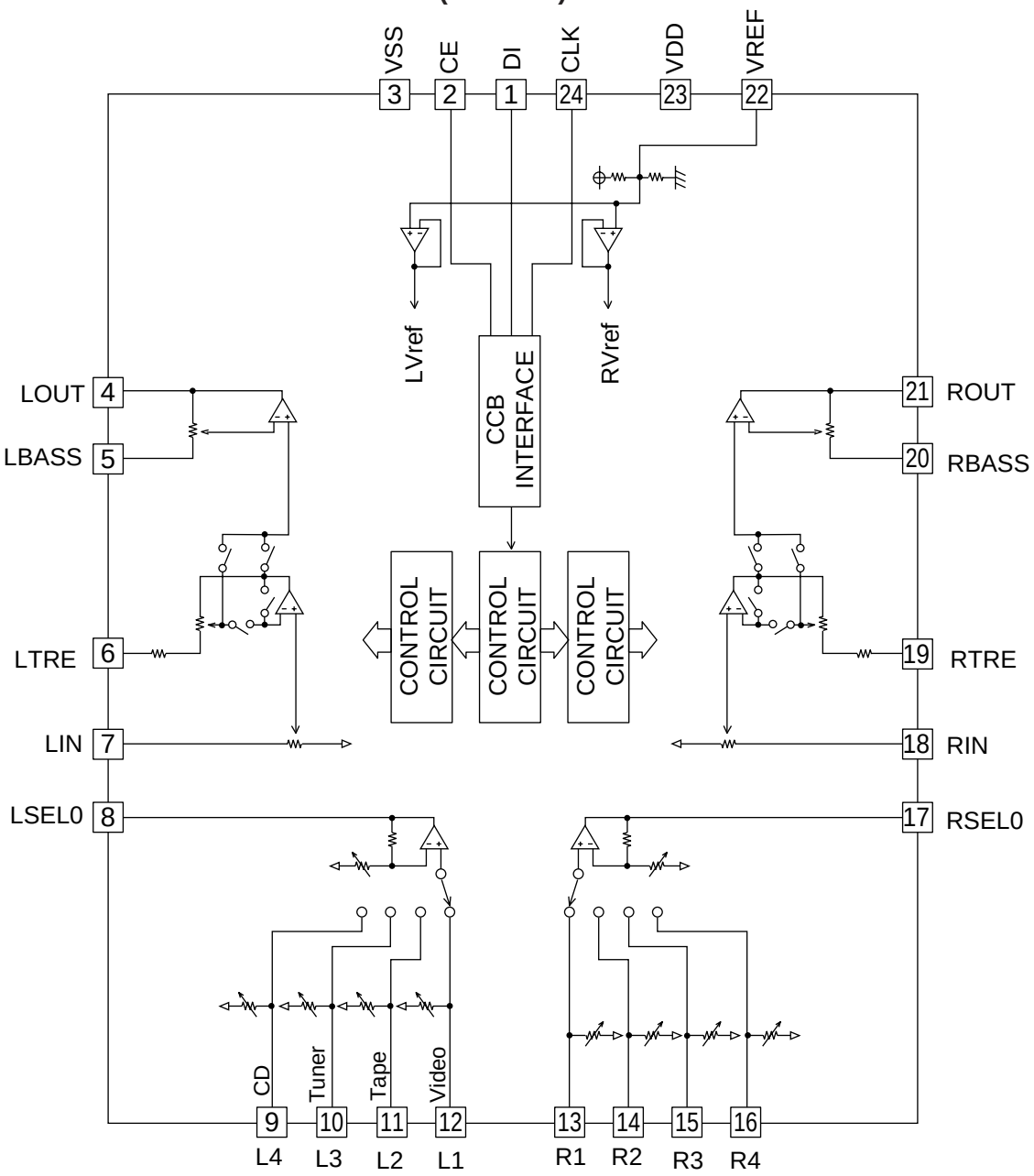


Figure 47 BLOCK DIAGRAM OF IC

IC601 VHiLC75341/-1: Audio Processor (LC75341)



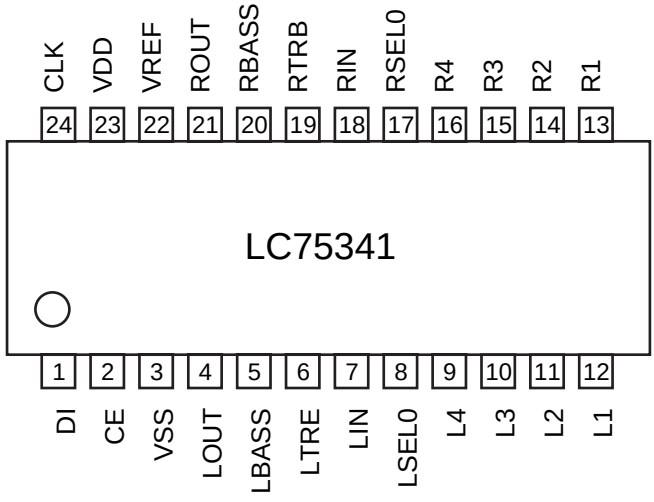


Figure 48 BLOCK DIAGRAM OF IC

IC701 RH-iX0524AWZZ: System Microcomputer (IX0524AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	VDD	VDD	Input	(+) Power supply.
2	P37	-20dBATT	Output	-20dB Attenuator.
3*	P36	NO USE	Output	Open
4	P35	T_BIAS	Output	Tape record bias.
5	P34	T_T1/T2	Output	Tape T1/T2 change.
6	P33	T_REC/PLY	Output	Tape REC/PLAY change.
7	P32	CD_RESOUT	Output	CD DSP reset.
8	P31	CD WRQ	Input	CD write read request..
9	P30	NO USE	Input	Connect to GND.
10	RESET	RESET	Input	Reset.
11	X2	X2	Output	Main clock.
12	X1	X1	Input	Main clock.
13	VPP/IC	VPP/IC	—	GND
14*	XT2	XT2	—	Open
15	P04	CD_DRF	Input	CD DRF level detection.
16	VDD	VDD	Input	(+) Power supply.
17	P27	CD_CLK	Output	CD DSP clock.
18	P26	CD_DI	Output	CD DSP command.
19	P25	CD_DO	Input	CD DSP CODE Q out.
20	P24	CD_CE	Output	CD DSP CE output.
21	P23	CE	Output	CE output.
22	P22	CLK	Output	Clock output.
23	P21	DI	Output	Data output.
24	P20	DO	Input	Data input.
25	AVSS	AVSS	—	Analog ground.
26	P17	D.NO SW	Input	CD DISC No. SW
27	ANI6	NO USE	Input	Connect to GND.
28	ANI5	PLAY2/FPA/FPB SW	Input	Tape F.P A/B SW & PLAY 2 SW.
29	ANI4	PROTECT	Input	Power abnormal detect.
30	ANI3	LVL_DET	Input	Speaker output level detect.
31-33	ANI2-ANI0	KEY 2-KEY 0	Input	Key input.
34	AVDD	AVDD	—	Analog VDD.
35	AVREF	AVREF	—	Analog ref voltage.
36	INTP3	P_IN	Input	Power failure detect.
37	P02	CLAMP SW	Input	CD CLAMP SW.
38	INTP1	SP_DET	Input	Speaker abnormal detect.
39	INTP0	REMOCON	Input	Remocon input.
40	VSS	VSS	—	Ground voltage.
41	P74	SMUTE	Output	System mute control.
42	P73	T_SOL B	Output	Tape 2 solenoid control.
43	P72	T_SOL A	Output	Tape 1 solenoid control.
44	P71	T_MOTOR	Output	Tape motor control.
45	P70	TIMER LED	Output	Timer LED control.
46	VDD	VDD	Input	(+) Power supply.
47*	P127	AC_RLY	Output	AC relay control.
48	P126	SP_RLY	Output	Speaker relay control.
49	P125	JOG 1	Input	Volume jog input 1.
50	P124	JOG 2	Input	Volume jog input 2.
51	P123	T 2_RUN	Input	TAPE 2 RUN PULSE input.
52	P122	T 1_RUN	Input	TAPE 1 RUN PULSE input.
53*	P121	MONST LED	Output	Monster LED.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iX0524AWZZ: System Microcomputer (IX0524AW) (2/2)

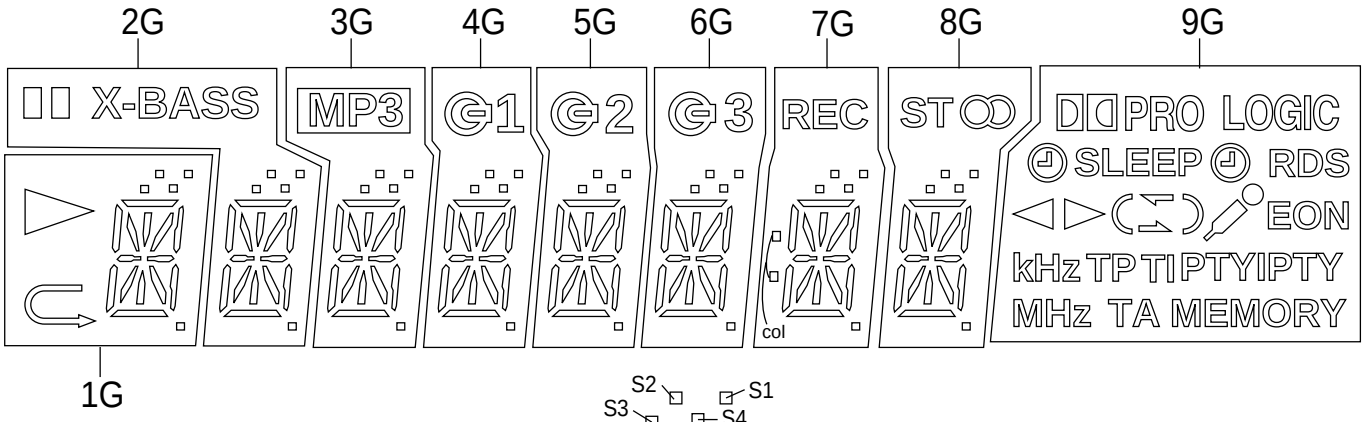
Pin No.	Port Name	Terminal Name	Input/Output	Function
54	P120	O/C SW	Input	CD OPEN/CLOSE SW.
55	P117	MIC SW	Input	Mic switch input.
56*	P116	KARA_LATCH	Output	Karaoke latch. (When not used. Connect to 0 V.)
57*	P115	NO USE	Output	Open
58*	P114	MPEG POWER	Output	MPEG power control.
59*	P113	NO USE	Output	Open
60*	P112	NO USE	Input	Open
61*	P111	NO USE	Output	Open
62*	P110	NO USE	Input	Open
63	P107	ILU_LED1	Output	Illumination LED1.
64*	P106	ILU_LED2	Output	Illumination LED2.
65*	P105	ILU_LED3	Output	Illumination LED3.
66	P104	FOR PLY_LED	Output	Forward play LED.
67*	P103	PEV PLY_LED	Output	Reverse play LED.
68	P102	STOP_LED	Output	Stop LED.
69	FIP30	DIST	Input	Distination input.
70	FIP29	S21	Output	FL segment driver.
71-74	P97-P94	DIST 0-DIST 3	Output	Distination output.
75-78	FIP24-FIP21	S16-S13	Output	FL segment driver.
79	VLOAD	VLOAD	Input	FL driver power supp. -30 V
80-91	FIP20-FIP9	S12-S1	Output	FL segment driver.
92-100	FIP8-FIP0	G9-G1	Output	FL grid driver.

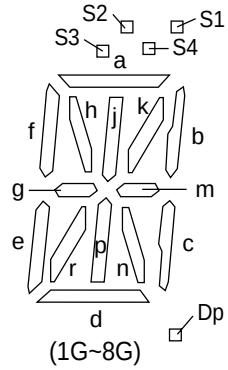
In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

FL DISPLAY

FL701 VVKNA09SS29-1

GRID ASSIGNMENT





ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G
P1	▷	X-BASS	MP3	G1	G2	G3	col	∞	PTYI
P2	S1	S1	S1	S1	S1	S1	S1	S1	—
P3	S2	S2	S2	S2	S2	S2	S2	S2	TA
P4	S3	S3	S3	S3	S3	S3	S3	S3	TP
P5	S4	S4	S4	S4	S4	S4	S4	S4	RDS
P6	a	a	a	a	a	a	a	a	TI
P7	b	b	b	b	b	b	b	b	▷
P8	k	k	k	k	k	k	k	k	◁
P9	j	j	j	j	j	j	j	j	MEMORY
P10	h	h	h	h	h	h	h	h	PTY
P11	f	f	f	f	f	f	f	f	)
P12	m	m	m	m	m	m	m	m	(
P13	d	d	d	d	d	d	d	d	MHz
P14	g	g	g	g	g	g	g	g	◁
P15	p	p	p	p	p	p	p	p	kHz
P16	e	e	e	e	e	e	e	e	EON
P17	n	n	n	n	n	n	n	n	PRO LOGIC
P18	r	r	r	r	r	r	r	r	／
P19	c	c	c	c	c	c	c	c	(L)
P20	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp	(H)
P21	⊂	□□	—	—	—	—	REC	ST	SLEEP

— M E M O —

SHARP PARTS GUIDE

MINI COMPONENT SYSTEM

MODEL CD-XP500

CD-XP500 Mini Component System consisting of CD-XP500 (main unit) and CP-XP500 (speaker system).

MINI COMPONENT SYSTEM

MODEL CD-XP5500

CD-XP5500 Mini Component System consisting of CD-XP5500 (main unit) and CP-XP5500 (speaker system).

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

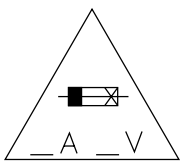
VCC ..... Ceramic type
VCK ..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN ..... Cylindrical type (without lead wire)
VC • • TV ..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS ..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN ..... Cylindrical type (without lead wire)
VR • • TV ..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.



CAUTION:FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F801, F802, F805 5A, 125V / F803, F804 2A, 125V FUSES

ATTENTION:POUR ASSURER UNE LONGUE PROTECTION CONTRE UNINCENDIE, REMPLACER SEULEMENT PAR UN FUSIBLE DE TYPE F801, F802, F805 5A, 125V / F803, F804 2A, 125V

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

NO.	PART CODE	★	PRICE RANK	DESCRIPTION

CD-XP500/CD-XP5500

INTEGRATED CIRCUITS

IC1	VHILC78645NE1	J	AY	CD Servo,LC78645NE
IC2	VHIM63001FP-1	J	AX	Focus/Tracking/Spin/Sled Driver, M63001FP
IC101	VHIAN7345K/-1	J	AM	Playback and Record/Playback Amp.,AN7345K
IC301	VHITA7358AP-1	J	AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832S/-1	J	AN	FM IF Det./FM Mpx./AM IF, LA1832S
IC601	VHILC75341/-1	J	AM	Audio Processor,LC75341
IC701	RH-IX0524AWZZ	J	AM	System Microcomputer, IX0524AW
IC851	VHIKIA7812AP1	J	AF	Voltage Regulator,KIA7812AP
IC852	VHIKIA7810AP1	J	AF	Voltage Regulator,KIA7810AP
IC853	VHIKIA7805AP1	J	AF	Voltage Regulator,KIA7805AP
IC854	VHIAN78L05/-1	J	AE	Voltage Regulator,AN78L05
IC855	VSKTC2026//-1	J	AF	Silicon,NPN,KTC2026
IC901	VHISTK41223-1	J	BH	Power Amp.,STK41223

TRANSISTORS

Q1	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q2	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q3	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q101~104	VSKTC3200GR-1	J	AC	Silicon,NPN,KTC3200 GR
Q105~108	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q109	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q110	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q111	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q112	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q113,114	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q302	VSKTC3194Y/-1	J	AD	Silicon,NPN,KTC3194 Y
Q360	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q601~604	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q701	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q703	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q705	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q706~708	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
Q709,710	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q801	VSKTA1274Y/-1	J	AE	Silicon,PNP,KTA1274 Y
Q901~905	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q906	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y

DIODES

D1,2	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D301,302	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D305	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D704	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D709~716	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D801,802	VHDD10XB60F-1	J	AL	Silicon,D10XB60F
D803~806	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D851,852	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D856~859	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D905~908	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D909,910	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D911,912	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
LED701	VHPSLR342VCJ1	J	AC	LED,Red,SLR342VCJ
LED703,704	VHPA503BC2E-1	J		LED,White,A503BC2E
LED706	VHP4204UYT7-1	J	AD	LED,Yellow,4204UYT7
LED708	VHP4204UYT7-1	J	AD	LED,Yellow,4204UYT7
ZD1	VHEDZ3R3BSB-1	J	AB	Zener,3.3V,DZ3.3BSB
ZD2	VHEDZ3R9BSB-1	J	AC	Zener,3.9V,DZ3.9BSB
ZD351	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
ZD801,802	VHEDZ6R2BSA-1	J	AB	Zener,6.2V,DZ6.2BSA
ZD803	VHEDZ300BSB-1	J	AB	Zener,30V,DZ30BSB
ZD852	VHEDZ8R2BSB-1	J	AB	Zener,8.2V,DZ8.2BSB
ZD902,903	VHEDZ120BSB-1	J	AB	Zener,12V,DZ12BSB

FILTERS

BF301	RFILR0008AWZZ	J	AE	Band Pass Filter
CF303	RFILF0124AFZZ	J	AD	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0009AWZZ	J	AE	AM IF

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION

TRANSFORMERS

⚠ PT801	RTRNP0404AWZZ	J	BG	Power
T301	RCILB0065AWZZ	J	AC	FM OSC.
T302	RCILI0017AWZZ	J	AB	FM IF
T303	RCILA0052AWZZ	J	AE	AM Antenna
T306	RCILB0067AWZZ	J	AD	AM OSC.
T351	RCILI0019AWZZ	J	AD	AM IF

COILS

L1	VP-XHR82K0000	J	AC	0.82 µH,Choke
L103	VP-MK331K0000	J	AB	330 µH,Choke
L312	RCILR0056AWZZ	J	AB	FM RF
L351,352	VP-DH101K0000	J	AB	100 µH,Choke
L701	VP-DH101K0000	J	AB	100 µH,Choke
L901,902	RCILZ0137AFZZ	J	AA	0.29 µH

VARIABLE CAPACITORS

VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
VD302,303	VHCSVC211C/-1	J	AG	Variable Capacitanse,SVC211C

VIBRATORS

X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0019AWZZ	J	AF	Crystal,4.5 MHz
XL1	RCRM-0041AWZZ	J	AF	Ceramic,33.8688 MHz
XL701	RCRSP0003AWZZ	J	AH	Crystal,4.194304 MHz

CAPACITORS

C1	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C2	VCKYCY1CB103K	J	AA	0.01 µF,16V
C3	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C4	VCKYCY1HB102K	J	AA	0.001 µF,50V
C5	VCKYCY1HB473K	J	AB	0.047 µF,50V
C6	VCKYCY1CB104K	J	AB	0.1 µF,16V
C8	VCKYCY1HB272K	J	AA	0.0027 µF,50V
C9	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C10	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C11	VCEAZA1HW224M	J	AB	0.22 µF,50V,Electrolytic
C12	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C13	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C14	RC-EZY107AF1A	J	AB	100 µF,10V,Electrolytic
C16	RC-EZY337AF0J	J	AA	330 µF,6.3V,Electrolytic
C18	RC-EZY107AF1A	J	AB	100 µF,10V,Electrolytic
C22	VCKYCY1CB103K	J	AA	0.01 µF,16V
C23,24	RC-EZY106AF1E	J	AB	10 µF,25V,Electrolytic
C25,26	VCKYCY1HB152K	J	AA	0.0015 µF,50V
C27	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C28	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C30	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C32	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C33	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C34	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C35	VCKYCY1HB473K	J	AB	0.047 µF,50V
C36	VCEAZA1HW224M	J	AB	0.22 µF,50V,Electrolytic
C37	VCTYPA1CX104K	J	AB	0.1 µF,16V
C38	VCKYCY1CB103K	J	AA	0.01 µF,16V
C39	RC-EZY107AF1A	J	AB	100 µF,10V,Electrolytic
C40	VCEAZA0JW227M	J	AC	220 µF,6.3V,Electrolytic
C41	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C42	VCKYCY1CB103K	J	AA	0.01 µF,16V
C44	VCKYCY1HB102K	J	AA	0.001 µF,50V
C46	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C48	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C50	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C51	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C52,53	VCKYCY1HB102K	J	AA	0.001 µF,50V
C54	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C57	VCCCCY1HH560J	J	AA	56 pF (CH),50V
C101,102	VCKYMN1HB561K	J	AA	560 pF,50V
C103	VCKYBT1HB181K	J	AA	180 pF,50V
C104	VCKYMN1HB181K	J	AA	180 pF,50V
C105,106	VCKYMN1HB561K	J	AA	560 pF,50V
C107~110	VCKYMN1HB331K	J	AA	330 pF,50V
C111,112	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C113,114	VCTYPA1EX333K	J	AA	0.033 µF,25V
C115,116	VCKYMN1HB561K	J	AA	560 pF,50V

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
C117,118	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C119,120	VCTYMN1CX222K	J	AA	0.0022 µF,16V
C121	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C123,124	VCKYMN1HB271K	J	AA	270 pF,50V
C125,126	VCEAZA1HW226M	J	AB	22 µF,50V,Electrolytic
C127,128	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C129,130	VCTYMN1CX332K	J	AA	0.0033 µF,16V
C131,132	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C133	VCEAZA1HW226M	J	AB	22 µF,50V,Electrolytic
C134	VCEAZA1AW227M	J	AC	220 µF,10V,Electrolytic
C135	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C137	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C138	VCQPKA2AA822J	J	AA	0.0082 µF,100V,Polypropylene
C139	VCQYKA1HM393K	J	AB	0.039 µF,50V,Mylar
C140	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C141	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C143	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C150	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C302	VCKYMN1HB102K	J	AA	0.001 µF,50V
C303	VCCCMN1HH100J	J	AA	10 pF (CH),50V
C304	VCTYMN1CY103N	J	AA	0.01 µF,16V
C305	VCCCMN1HH4R7C	J	AA	4.7 pF (CH),50V
C306	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C307	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C308	VCCCMN1HH4R7C	J	AA	4.7 pF (CH),50V
C309	VCKYMN1HB102K	J	AA	0.001 µF,50V
C310	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C311	VCCSMN1HL180J	J	AA	18 pF,50V
C312	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C313	VCCCMN1HH220J	J	AA	22 pF (CH),50V
C314,315	VCTYMN1CX472K	J	AA	0.0047 µF,16V
C316	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C317	VCKYMN1HB102K	J	AA	0.001 µF,50V
C318	VCKYMN1HB101K	J	AA	100 pF,50V
C320	VCKYBT1HB102K	J	AA	0.001 µF,50V
C323	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C324	VCCUMN1HJ4R7D	J	AA	4.7 pF (UJ),50V
C330	VCCSMN1HL150J	J	AA	15 pF,50V
C331	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C332	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C334	VCCUMN1HJ220J	J	AA	22 pF (UJ),50V
C335	VCKYMN1HB561K	J	AA	560 pF,50V
C338	VCKYMN1HB102K	J	AA	0.001 µF,50V
C342	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C350,351	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C352	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C353,354	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C355	VCCSMN1HL220J	J	AA	22 pF,50V
C356	VCKYMN1HB102K	J	AA	0.001 µF,50V
C357	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C358	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C361	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C362	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C363	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C364	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C365	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C366	VCKYMN1HB102K	J	AA	0.001 µF,50V
C367,368	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C369	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V
C370~372	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C373,374	VCTYPA1CX153K	J	AA	0.015 µF,16V
C380	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C383	VCCSBT1HL470J	J	AA	47 pF,50V
C384	VCKYMN1HB102K	J	AA	0.001 µF,50V
C385	VCTYMN1CY103N	J	AA	0.01 µF,16V
C386	VCKYMN1HB331K	J	AA	330 pF,50V
C387	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C388	VCKYMN1HB102K	J	AA	0.001 µF,50V
C389	VCKYBT1HB102K	J	AA	0.001 µF,50V
C391	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C392	VCKYMN1HB102K	J	AA	0.001 µF,50V
C393	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C394	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C395	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C396	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C397	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C398	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C399	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C601	VCEAZA1CW227M	J	AC	220 µF,16V,Electrolytic
C602	VCKZPA1HF223Z	J	AA	0.022 µF,50V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C603	VCEAZA1HW226M	J	AB	22 µF,50V,Electrolytic
C605~608	VCFYHA1HA154J	J	AC	0.15 µF,50V,Thin Film
C609,610	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C611,612	VCTYMN1CX272K	J	AA	0.0027 µF,16V
C613,614	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C615,616	VCEAZA1HW475M	J	AB	4.7 µF,50V,Electrolytic
C617~624	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C625,626	VCKYMN1HB561K	J	AA	560 pF,50V
C635~638	VCKYMN1HB102K	J	AA	0.001 µF,50V
C639,640	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C651~653	VCKYMN1HB221K	J	AA	220 pF,50V
C690,691	VCKYMN1HB391K	J	AA	390 pF,50V
C701	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C702	VCEAZA1AW227M	J	AC	220 µF,10V,Electrolytic
C703	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C704	VCCSMN1HL150J	J	AA	15 pF,50V
C705	VCCSMN1HL180J	J	AA	18 pF,50V
C706	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C707	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C709,710	VCKYMN1HB102K	J	AA	0.001 µF,50V
C712	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C714	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C715	VCTYMN1CY103N	J	AA	0.01 µF,16V
C716	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C717	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C720	VCTYBT1EF223Z	J	AA	0.022 µF,25V
C801	VCEAZA1VW107M	J	AC	100 µF,35V,Electrolytic
C802,803	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C804	VCEAZV1JW227M	J	AC	220 µF,63V,Electrolytic
C805	VCEAZA1HW226M	J	AB	22 µF,50V,Electrolytic
C806~809	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C810,811	VCQYKU2AM224K	J	AB	0.22 µF,100V,Mylar
C851	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C852	VCEAZA1HW226M	J	AB	22 µF,50V,Electrolytic
C853	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C854,855	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C856	VCEAZW1VW338M	J	AH	3300 µF,35V,Electrolytic
C857	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C858	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C859	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C860	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C861	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C862	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C863	VCEAZA1HW226M	J	AB	22 µF,50V,Electrolytic
C864	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C865	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C901,902	VCEAZA1HW224M	J	AB	0.22 µF,50V,Electrolytic
C903,904	VCKYMN1HB221K	J	AA	220 pF,50V
C905,906	VCEAZA1HW107M	J	AC	100 µF,50V,Electrolytic
C907	VCKYMN1HB101K	J	AA	100 pF,50V
C908	VCCCMN1HH3R3K	J	AA	3.3 pF (CH),50V
C909	VCEAZA1HW104M	J	AB	0.1 µF,50V,Electrolytic
C910	VCCCMN1HH3R3K	J	AA	3.3 pF (CH),50V
C911,912	VCEAZV2AW107M	J	AE	100 µF,100V,Electrolytic
C913	VCKYMN1HB101K	J	AA	100 pF,50V
C914,915	VCEAZV2AW107M	J	AE	100 µF,100V,Electrolytic
C916	VCEAZA1HW107M	J	AC	100 µF,50V,Electrolytic
C917	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C918	VCEAZA1HW107M	J	AC	100 µF,50V,Electrolytic
C919	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C920	RC-EZ0029AWZZ	J	AN	3300 µF,71V,Electrolytic
C921,922	RC-EZ0061AWZZ	J	AE	4700 µF,35V,Electrolytic
C923	RC-EZ0029AWZZ	J	AN	3300 µF,71V,Electrolytic
C924	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C925	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C928,929	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C930	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C931	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C942,943	VCKYPA1HB102K	J	AA	0.001 µF,50V
C946	VCEAZA1HW104M	J	AB	0.1 µF,50V,Electrolytic

RESISTORS

	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8×1.55mm,Green
R1,2	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W
R3	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R4,5	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W
R6	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R7	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R9	VRD-ST2CD3R3J	J	AA	3.3 ohms,1/6W
R10	VRD-ST2CD273J	J	AA	27 kohms,1/6W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
R11	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R12	VRS-CY1JB331J	J	AA	330 ohms,1/16W
R13~18	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R20	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R22	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R23	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R24,25	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R26,27	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R28,29	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R31	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R32~38	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R39,40	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R41	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R42	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W
R43	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R44	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R45,46	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R47	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R49	VRD-ST2EE1R0J	J	AA	1 ohm,1/4W
⚠ R51	VRG-ST2EG3R3J	J	AB	3.3 ohms,1/4W,Fusible
R101,102	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R103,104	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R105,106	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R107,108	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R109,110	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R111	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R112	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R113,114	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R115,116	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R117,118	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R119,120	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R121,122	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R123,124	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R126,127	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R128,129	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R130,131	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R132,133	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R134,135	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R136	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R137	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R138	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R139	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R140	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R141	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R142	VRD-RT2HD820J	J	AA	82 ohms,1/2W
R143	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R144	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R145	VRD-ST2CD4R7J	J	AA	4.7 ohms,1/6W
R146,147	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R148	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R149	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R150	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R158	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R302	VRD-MN2BD100J	J	AA	10 ohm,1/8W
R309	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R311	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R313	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R314	VRD-ST2CD220J	J	AA	22 ohms,1/6W
R316	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R322	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R323	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R325	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R327	VRD-MN2BD330J	J	AA	33 ohms,1/8W
R336	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R350	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R351	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R352	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R353	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R355	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R356	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R357	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R358	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R359	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R360	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R365	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R372~374	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R375	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R376	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R377	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R378	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R379	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R380	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R381	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R382	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R383	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R384	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R385	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R386	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R387	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R388	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R391,392	VRD-ST2EE271J	J	AA	270 ohms,1/4W
R393	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R395	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R601~603	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R604	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R605	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R606~609	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R610,611	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R612,613	VRD-MN2BD391J	J	AA	390 ohms,1/8W
R614,615	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R616,617	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R618,619	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R620	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R621	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R641,642	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R643,644	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R690,691	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R692,693	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R702	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R703~706	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R708~715	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R716	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R717	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R718	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R719	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R720~723	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R724,725	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R726,727	VRD-ST2CD681J	J	AA	680 ohms,1/6W
R728	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R729	VRD-ST2CD561J	J	AA	560 ohms,1/6W
R731	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R732~736	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R739	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R740	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R746	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R747	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R749	VRD-ST2CD271J	J	AA	270 ohms,1/6W
R750	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R751	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R752	VRD-MN2BD330J	J	AA	33 ohms,1/8W
R756	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R757	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R758	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R759	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R760	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R761	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R763	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R764	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R765	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R766~768	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R769	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R770	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R772,773	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R775~778	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R779	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R780	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R781	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R782	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R783	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R790	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R791	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R792	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R793	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R794,795	VRD-ST2EE1R5J	J	AA	1.5 ohms,1/4W
R796,797	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R798	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R800	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R801	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R802	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R803	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R804,805	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R806	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R808	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R809	VRD-ST2CD473J	J	AA	47 kohms,1/6W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
R852	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R853	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R854	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R856,857	VRD-RT2HD3R3J	J	AA	3.3 ohms,1/2W
R859	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R860	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R901,902	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R903,904	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R905,906	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R907	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R908	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R909	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R910	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R911	VRD-ST2CD563J	J	AA	56 kohms,1/6W
⚠ R912	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
R913	VRN-VV3LAR22J	J	AC	0.22 ohms,3W
R916	VRN-VV3LAR22J	J	AC	0.22 ohms,3W
R917	VRN-VV3LAR10J	J	AD	0.1 ohm,3W
R918	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R919,920	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R921	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R922	VRN-VV3LAR10J	J	AD	0.1 ohm,3W
R923,924	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R925,926	VRD-RT2HD152J	J	AA	1.5 kohms,1/2W
R927,928	VRD-ST2EE393J	J	AA	39 kohms,1/4W
R929,930	VRD-ST2EE473J	J	AA	47 kohms,1/4W
R931	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R934,935	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R936	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R937	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R938~941	VRD-RT2HD100J	J	AA	10 ohm,1/2W
R942,943	VRS-VV3DA471J	J	AB	470 ohms,2W
R944,945	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R946	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R947	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R949	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R950	VRD-ST2CD683J	J	AA	68 kohms,1/6W
⚠ R958	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
RD01	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RD02	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD03	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD04	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD10	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RD11	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD12	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD13	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
RD14	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
RD15	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
RD16	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD17	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RD18	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD19	VRD-ST2CD681J	J	AA	680 ohms,1/6W
RD20	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD21	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD22	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
RD23	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RD24	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
RD25	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD26	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W

OTHER CIRCUITRY PARTS

BI4/CNS4	QCNWN1572AWZZ	J	AF	Connector Ass'y,6/6Pin
BI601/CNS601	QCNWN2259AWZZ	J	AH	Connector Ass'y,8/8Pin
BI701/CNS701	QCNWN2172AWZZ	J	AH	Connector Ass'y,10/10Pin
BI703/CNS703	QCNWN2174AWZZ	J	AD	Connector Ass'y,2/2Pin
BI704/CNS704	QCNWN2174AWZZ	J	AD	Connector Ass'y,2/2Pin
BI705/CNS705	QCNWN2322AWZZ	J		Connector Ass'y,5/5Pin
BI801/CNS801	QCNWN2255AWZZ	J		Connector Ass'y,10/10Pin
CNP1	QCNCM704GAWZZ	J	AC	Plug,7Pin
CNP2	QCNCM704HAWZZ	J	AC	Plug,8Pin
CNP3	92LCONE6P53253	J	AC	Plug,6Pin
CNP3A	92LCONE6P53254	J	AC	Plug,6Pin
CNP4	QCNCM705FAFZZ	J	AB	Plug,6Pin
CNP7	92LCONE8P53254	J	AC	Plug,8Pin
CNP8	92LCONEAP53254	J	AD	Plug,10Pin
CNP101	QCNCM705CAFZZ	J	AA	Plug,3Pin
CNP102	QCNCM705GAFZZ	J	AB	Plug,7Pin
CNP301	92LCONE3P5268	J	AC	Plug,3Pin
CNP701A	QCNCWZX17AWZZ	J	AD	Plug,17Pin
CNP701B	QCNCWZF17AWZZ	J	AD	Plug,17Pin

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CNP702	QCNCWZY08AWZZ	J	AC	Plug,8Pin
CNP703,704	92LCONE2P53253	J	AB	Plug,2Pin
CNP705	QCNCW026EAWZZ	J	AE	Plug,5Pin
CNP801	92LCONEAP5267X	J		Plug,10Pin
CNP802	92LCONE5P53253	J	AB	Plug,5Pin
CNP971	92LCONE2P53253	J	AB	Plug,2Pin
CNS1A/B	QCNWN1537AWZZ	J	AG	Connector Ass'y,7/7Pin
CNS2A/B	QCNWN1538AWZZ	J	AG	Connector Ass'y,8/8Pin
CNS3A/B	QCNWN1539AWZZ	J	AE	Connector Ass'y,6/6Pin
CNS971	QCNWN1389AWZZ	J	AC	Connector Ass'y,2Pin
⚠ F801,802	QFS-D502BSJNI	J	AE	Fuse,5A/125V
⚠ F803,804	QFS-D202BSJNI	J	AB	Fuse,2A/125V
⚠ F805	QFS-D502BSJNI	J	AE	Fuse,5A/125V
FFC701	QCNWN2257AWZZ	J	AF	Flat Cable,17Pin
FFC702	QCNWN1838AWZZ	J	AD	Flat Cable,8Pin
FL701	VVKNA09SS29-1	J	AX	FL Display
FW901	QCNWN2254AWZZ	J	AD	Flat,Wire,5Pin
JK690	QSOCJ0224AWZZ	J	AC	Jack,Video/AUX
JK701	QJAKM0004AWZZ	J	AK	Jack,Headphones
JOG701	QSW-Z0013AWZZ	J	AF	Switch,Push Type [Jog Volume]
LG1~3	QLUGP0001AWZZ	J	AC	Lug
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
M3	RMOTV0373AFZZ	J	AL	Motor with Worm Pulley [T/T Up/Down Loading]
M4	RMOTV0027AWZZ	J	AM	Motor,Air Cooling Fan
RL914	RRLYD0016AWZZ	J	AH	Relay
RX701	VHLGP1UM271-1	J	AH	Remote Sensor,GP1UM271
SO901	QTANA0423AWZZ	J	AE	Terminal,Speaker
SW1	QSW-M0012AWZZ	J	AM	Switch,Leaf Type [Open/Close]
SW2	QSW-M0012AWZZ	J	AM	Switch,Leaf Type [Clamp]
SW3	QSW-M0012AWZZ	J	AM	Switch,Leaf Type [Disc Number]
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]
SW701	92LSWICH1401AT	J	AC	Switch,Key Type [Power]
SW702	92LSWICH1401AT	J	AC	Switch,Key Type [Fast Rewind/Preset Down]
SW703	92LSWICH1401AT	J	AC	Switch,Key Type [Fast Forward/Preset Up]
SW704	92LSWICH1401AT	J	AC	Switch,Key Type [Stop]
SW705	92LSWICH1401AT	J	AC	Switch,Key Type [Play/Repeat]
SW711	92LSWICH1401AT	J	AC	Switch,Key Type [CD]
SW712	92LSWICH1401AT	J	AC	Switch,Key Type [Tuner (Band)]
SW713	92LSWICH1401AT	J	AC	Switch,Key Type [Tape]
SW714	92LSWICH1401AT	J	AC	Switch,Key Type [Video/Aux]
SW715	92LSWICH1401AT	J	AC	Switch,Key Type [Timer/Sleep]
SW716	92LSWICH1401AT	J	AC	Switch,Key Type [Tuning/Time Up]
SW717	92LSWICH1401AT	J	AC	Switch,Key Type [Rec Pause]
SW718	92LSWICH1401AT	J	AC	Switch,Key Type [Memory/Set]
SW719	92LSWICH1401AT	J	AC	Switch,Key Type [Tuning/Time Down]
SW720	92LSWICH1401AT	J	AC	Switch,Key Type [Clock]
SW723	92LSWICH1401AT	J	AC	Switch,Key Type [Disc Skip]
SW724	92LSWICH1401AT	J	AC	Switch,Key Type [Open/Close]
SW725	92LSWICH1401AT	J	AC	Switch,Key Type [Equalizer]
SW726	92LSWICH1401AT	J	AC	Switch,Key Type [X-Bass/Demo]
WTM901	QCNCW019EAWZZ	J	AB	Holder,Flat Wire

CD MECHANISM PARTS

301	NGERH0011AWZZ	J	AC	Gear,Middle
302	NGERH0012AWZZ	J	AC	Gear,Drive
303	MLEVP0080AWZZ	J	AC	Rail,Guide
304	NSFTM0020AWFW	J	AD	Shaft,Guide
305	92LM-CUSN1524A	J	AC	Cushion
⚠ 306	92LHPC1LXASY	J	BD	Pickup Unit Ass'y
306- 1	————		—	Pickup Unit (Not Replacement Item)
306- 2	NGERR0043AFZZ	J	AC	Gear,Rack
306- 3	MSPRC0961AFZZ	J	AA	Spring,Rack
701	XBSSD26P06000	J	AA	Screw,ø2.6×6mm
702	XHBSD20P05000	J	AA	Screw,ø2×5mm
703	XBBSD20P03000	J	AA	Screw,ø2×3mm
704	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×3.8×0.25mm
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]

CABINET PARTS

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
201	92LCAB3857AASY	J		Front Panel Ass'y [CD-XP500]
201	92LCAB3858AASY	J		Front Panel Ass'y [CD-XP5500]
201- 1	————		—	Front Panel (Not Replacement Item)
201- 2	GCOVA1417AWSA	J	AH	Cover,Cassette [Tape 1] [CD-XP500]
201- 2	GCOVA1417AWSB	J	AG	Cover,Cassette [Tape 1] [CD-XP5500]
201- 3	GCOVA1418AWSA	J	AH	Cover,Cassette [Tape 2] [CD-XP500]
201- 3	GCOVA1418AWSB	J	AG	Cover,Cassette [Tape 2] [CD-XP5500]
201- 4	GCOVA1421AWSA	J	AC	Cover,Remote Sensor
201- 5	GCOVA1422AWSA	J	AB	Cover,LED,Timer
201- 6	GDORF0112AWSA	J	AE	Holder,Cassette [Tape 1]
201- 7	GDORF0113AWSA	J	AE	Holder,Cassette [Tape 2]
201- 8	HDECQ0834AWSA	J	AE	Panel,Cassette [Tape 1] [CD-XP500]
201- 8	HDECQ0834AWSB	J	AE	Panel,Cassette [Tape 1] [CD-XP5500]
201- 9	HDECQ0835AWSA	J	AE	Panel,Cassette [Tape 2] [CD-XP500]
201- 9	HDECQ0835AWSB	J	AE	Panel,Cassette [Tape 2] [CD-XP5500]
201-10	HDECQ0846AWSA	J	AL	Panel,Amp. [CD-XP500]
201-10	HDECQ0860AWSA	J	AL	Panel,Amp. [CD-XP5500]
201-11	HDECQ0844AWSC	J	AE	Ring,Play/Stop
201-12	JKNBZ0879AWSA	J	AG	Button,Open/Close [CD-XP500]
201-12	JKNBZ0879AWSB	J	AG	Button,Open/Close [CD-XP5500]
201-13	JKNBZ0876AWSA	J	AD	Button,X-Bass/Equalizer [CD-XP500]
201-13	JKNBZ0876AWSB	J	AD	Button,X-Bass/Equalizer [CD-XP5500]
201-14	JKNBZ0865AWSA	J	AD	Button,Function [CD-XP500]
201-14	JKNBZ0865AWSB	J	AD	Button,Function [CD-XP5500]
201-15	JKNBZ0866AWSA	J	AF	Button,Power [CD-XP500]
201-15	JKNBZ0866AWSB	J	AE	Button,Power [CD-XP5500]
201-16	MLIFP0008AWZZ	J	AD	Damper
201-17	MSPRD0151AWFJ	J	AB	Spring,Cassette [Tape 1]
201-18	MSPRD0152AWFJ	J	AB	Spring,Cassette [Tape 2]
202	92LCAB3838BASY	J		Side Panel Ass'y,Left [CD-XP500]
202	92LCAB3839BASY	J		Side Panel Ass'y,Left [CD-XP5500]
202- 1	————		—	Side Panel,Left (Not Replacement Item)
202- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
203	92LCAB3838CASY	J		Side Panel Ass'y,Right [CD-XP500]
203	92LCAB3839CASY	J		Side Panel Ass'y,Right [CD-XP5500]
203- 1	————		—	Side Panel,Right (Not Replacement Item)
203- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
204	GCAB-1197AWZZ	J	AM	Loading Tray
205	GCAB-1215AWSA	J	AT	Top Cabinet [CD-XP500]
205	GCAB-1215AWSB	J	AR	Top Cabinet [CD-XP5500]
206	GCOVA1416AWSC	J	AM	Cover,CD Tray [CD-XP500]
206	GCOVA1416AWSD	J	AM	Cover,CD Tray [CD-XP5500]
207	GITAR0947AWSA	J	AN	Rear Panel [CD-XP500 Except for Canada]
207	GITAR0948AWSA	J		Rear Panel [CD-XP500 for Canada]
207	GITAR0992AWSA	J	AN	Rear Panel [CD-XP5500]
208	KMECB0024AWZZ	J	BF	Tape Mechanism Ass'y
208- 1	92PF513-853	J	BL	Head Plate Block [Tape 2]
208- 2	92PF525-336	J	BE	Motor with Pulley [Tape]
208- 3	92PF567-677	J	—	Tape Mechanism PWB Ass'y
208- 4	92PFF19N-21	J	AL	Belt,Main [Tape 2]
208- 5	92PF514-133	J	AL	Pinch Roller
208- 6	92PF19S-31	J	AL	Belt,FF/REW [Tape 2]
208- 7	92PFF19N-11	J	AL	Belt,Main [Tape 1]
208- 8	92PF522-061	J	AZ	Clutch Ass'y Block [Tape 1]
208- 9	92PFF19S-52	J	AL	Belt,FF/REW [Tape 1]
208-10	92PF513-861	J	AG	Head Plate Block [Tape 1]
208-11	92PF522-063	J	AZ	Clutch Ass'y Block [Tape 2]
208-12	92PFD60F-11	J	AK	Cam Gear [Tape 1]
208-13	92PFR26C-11	J	AN	Flywheel [Tape 1]
208-14	92PFR26D-11	J	AN	Flywheel [Tape 2]
208-15	92PF765-292	J	AS	Solenoid Ass'y
208-16	92PFD58M-14	J	AK	Cam Gear [Tape 2]
209	LANGK0110AWFW	J	AE	Bracket,Cassette Lock,Tape 1
210	LANGK0111AWFW	J	AE	Bracket,Cassette Lock,Tape 2
211	LANGK0317AWFW	J	AF	Bracket,Fan Support
212	LBSHC0005AWZZ	J	AD	Bushing,AC Power Supply Cord
213	LCHSM0153AWFW	J	AQ	Chassis,Main
214	LCHSM0155AWZZ	J	AS	Chassis,Loading
215	LHLDM1018AWZZ	J	AE	Stabilizer
216	LHLDZ1357AWZZ	J	AH	Holder,CD Mechanism
217	LHLDZ1358AWZZ	J	AF	Holder,Stabilizer
218	LHLDZ1359AWZZ	J	AD	Holder,Gear
219	LHLDZ1410AWZZ	J	AD	Holder,FL Display
220	LHLDZ1412AWZZ	J	AC	Holder,LED
221	MCAMP0010AWZZ	J	AE	Gear,Can Upper
222	MCAMP0011AWZZ	J	AE	Gear,Can Lower
223	MLEVP0109AWZZ	J	AB	Lever,Cam Lock
224	MLEVP0110AWZZ	J	AB	Lever,Switch A
225	MLEVP0111AWZZ	J	AB	Lever,Switch B
226	MLEVP0112AWZZ	J	AB	Turntable Actuator
227	MLOKC0003AWZZ	J	AD	Lock Lever,Cassette,Tape 1
228	MLOKC0004AWZZ	J	AD	Lock Lever,Cassette,Tape 2
229	MSPRC0033AWFJ	J	AB	Spring,Friction
230	MSPRD0109AWFJ	J	AB	Spring,Cassette Lock,Tape 1
231	MSPRD0110AWFJ	J	AB	Spring,Cassette Lock,Tape 2
232	MSPRP0057AWFW	J	AC	Spring,Tray Lock
233	MSPRP0068AWFW	J	AB	Spring,Motor Gear
234	NFANP0001AWZZ	J	AD	Rotary Fan
235	NGERH0152AWZZ	J	AC	Gear,Turntable Drive
236	NGERH0153AWZZ	J	AC	Gear,Drive
237	NGERW0020AWZZ	J	AC	Gear,Center
238	NGERW0021AWZZ	J	AC	Gear,Idler
239	NGERW0022AWZZ	J	AD	Gear,Worm
240	NGERW0023AWZZ	J	AC	Gear,Motor
241	NTNT-0022AWZZ	J	AK	Turntable
242	PCUSG0022AWZZ	J	AB	Cushion,Leg
243	PMAGF0001AWZZ	J	AF	Magnet
244	PRDAR0236AWFW	J	AX	Heat Sink
⚠ 245	QACCD0022AWZZ	J	AM	AC Power Supply Cord
246	QCNWN1860AWZZ	J	AC	Lug Wire
⚠ 247	QFSHD0001AWZZ	J	AB	Holder,Fuse
248	92LCSPR1431C	J	AA	Spring,Ring
249	92LMT0304302	J	AB	Plate,Metal
250	92LNBAND1318A	J	AA	Nylon Band,80mm
251	92LPT0303002	J	AB	Roller
254	HDECQ0837AWSA	J	AF	Light Panel
255	LHLDZ1411AWZZ	J	AE	Holder,Light Panel
256	GCOVA1419AWSA	J	AC	Light Cover,Right
257	GCOVA1420AWSA	J	AC	Light Cover,Left
258	PSHEP0086AWZZ	J	AE	Light Sheet
259	LHLDZ1417AWZZ	J	AE	Block,Button
260	JKNBK0092AWSA	J	AL	Knob,Volume
261	LANGK0327AWFW	J	AF	Bracket,Heat Sink
262	KNOB3857AASY1	J		Operation Button Ass'y [CD-XP500]
262	KNOB3858AASY1	J		Operation Button Ass'y [CD-XP5500]
262- 1	JKNBZ0878AWSA	J	AH	Button,Operation [CD-XP500]
262- 1	JKNBZ0878AWSB	J	AH	Button,Operation [CD-XP5500]
262- 2	GCOVA1434AWSA	J	AD	Cover,LED,Play
262- 3	GCOVA1435AWSA	J	AD	Cover,LED,Stop
263	LHLDZ1418AWZZ	J	AC	Holder,LED
601	LX-BZ0082AWFC	J		Screw,Transport
602	LX-EZ0010AWFD	J	AA	Screw,Special
603	LX-HZ0009AWFD	J	AC	Screw,ø2×13mm
604	LX-JZ0010AFFD	J	AA	Screw,ø3×10mm
605	XBBSD20P04000	J	AA	Screw,ø2×4mm
606	XEBSD26P08000	J	AA	Screw,ø2.6×8mm
608	XEBSD30P10000	J	AA	Screw,ø3×10mm
609	XEBSD30P12000	J	AA	Screw,ø3×12mm
610	XESSD30P10000	J	AA	Screw,ø3×10mm
611	XHBSD26P04000	J	AA	Screw,ø2.6×4mm
612	XHBSD40P06000	J	AA	Screw,ø4×6mm
613	XJBSD20P05000	J	AA	Screw,ø2×5mm
614	XJBSD30P10000	J	AA	Screw,ø3×10mm
615	XJBSD30P12000	J	AA	Screw,ø3×12mm
618	XJSSD30P10000	J	AA	Screw,ø3×10mm
619	92LSC0310RBZI	J	AB	Screw,ø3×10mm
620	92LSC0314WBZI	J	AB	Screw,ø3×14mm
622	XHBSD30P06000	J	AA	Screw,ø3×6mm
623	XJBSD30P14000	J	AA	Screw,ø3×14mm

NO.	PART CODE	★	PRICE RANK	DESCRIPTION

PACKING PARTS [EXCEPT FOR U.S.A.]

	SPAKA0363AWZZ	J		Packing Add.,Left/Right
	SPAKC1386AWZZ	J		Packing Case
	SPAKP0013AWZZ	J	AC	Polyethylene Bag,Unit
	SPAKZ0885AWZZ	J		Sheet,Miramat
	SPAKZ0891AWZZ	J		Sheet,CD Tray Cover
	SSAKA0007AWZZ	J	AB	Polyethylene Bag,Accessories

ACCESSORIES

	QANTL0007AWZZ	J	AK	AM/FM Loop Antenna
	TCAUZ0128AWZZ	J	AB	Caution,Transport
	TINSE0430AWZZ	J	AE	Operation Manual [CD-XP500 Except for Canada/ CD-XP5500]
	TINSK0130AWZZ	J		Operation Manual [CD-XP500 for Canada]
	TINSZ0775AWZZ	J	AC	Quick Guide [CD-XP500/CD-XP5500 for U.S.A. Only]
	TLABR1244AWZZ	J	AB	Label,Bar Code [CD-XP5500]
	TLABR1245AWZZ	J	AB	Label,Bar Code [CD-XP500]
	TLABZ1034AWZZ	J	AC	Label,Feature [Tape 2]
	TLABZ1040AWZZ	J	AC	Label,Feature [Tape 1]
	RRMCG0264AWSA	J	AQ	Remote Control
	GFTAB1022AWSB	J	AK	Battery Lid,Remote Control

P.W.B. ASSEMBLY (Not Replacement Item)

⚠	PWB-A1~3	92LPWB3857MANS	J	—	Main/Power/Transformer
	PWB-B1~4	92LPWB3857DPLS	J	—	Display/Headphones/LED A/LED B
	PWB-C	92LPWB3838CDUS	J	—	CD Servo
	PWB-D	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)
	PWB-E	QPWBF0749AWZZ	J	AD	CD Loading Motor (PWB Only)
	PWB-F	92PF567-677	J	—	Tape Mechanism

OTHER SERVICE PART

	UDSKA0004AFZZ	J	AZ	CD Pickup Lens Cleaner

CP-XP500/CP-XP5500

SPEAKER BOX PARTS

901	GBOXS4016AWSA	J	BE	Speaker Box Ass'y,Left [CP-XP500]
901	GBOXS4016AWSC	J		Speaker Box Ass'y,Left [CP-XP5500]
902	GBOXS2016AWSA	J	BE	Speaker Box Ass'y,Right [CP-XP500]
902	GBOXS2016AWSC	J		Speaker Box Ass'y,Right [CP-XP5500]
903	CPNLS1055AW01	J	BB	Front Panel Ass'y,Left [CP-XP500]
903	CPNLS1055AW02	J	BB	Front Panel Ass'y,Left [CP-XP5500]
904	CPNLS1057AW01	J	BB	Front Panel Ass'y,Right [CP-XP500]
904	CPNLS1057AW02	J	BB	Front Panel Ass'y,Right [CP-XP5500]
905	PCUSG0022AWZZ	J	AB	Cushion,Leg
906	PFLT-0046AWZZ	J	AC	Felt
907	TSPC-1017AWZZ	J	AB	Label,Specifications [CP-XP500]
907	TSPC-1029AWZZ	J	AB	Label,Specifications [CP-XP5500]
908	QCNWN2216AWZZ	J	AL	Speaker Cord Ass'y (with Capacitor C1,2)
910	XJBSD30P10000	J	AA	Screw,ø3×10mm
911	XJBSD40P12000	J	AA	Screw,ø4×12mm
SP1,2	RSPA10054AWCW	J	AY	Woofer
SP3,4	RSPA10058AWCW	J	AY	Woofer
SP5,6	RSPA00047AW6T	J	BB	Tweeter

PACKING PARTS [EXCEPT FOR U.S.A.]

	SPAKA0364AWZZ	J		Packing Add.,Top/Bottom
	SSAKH0089AWZZ	J		Polyethylene Bag,Speaker

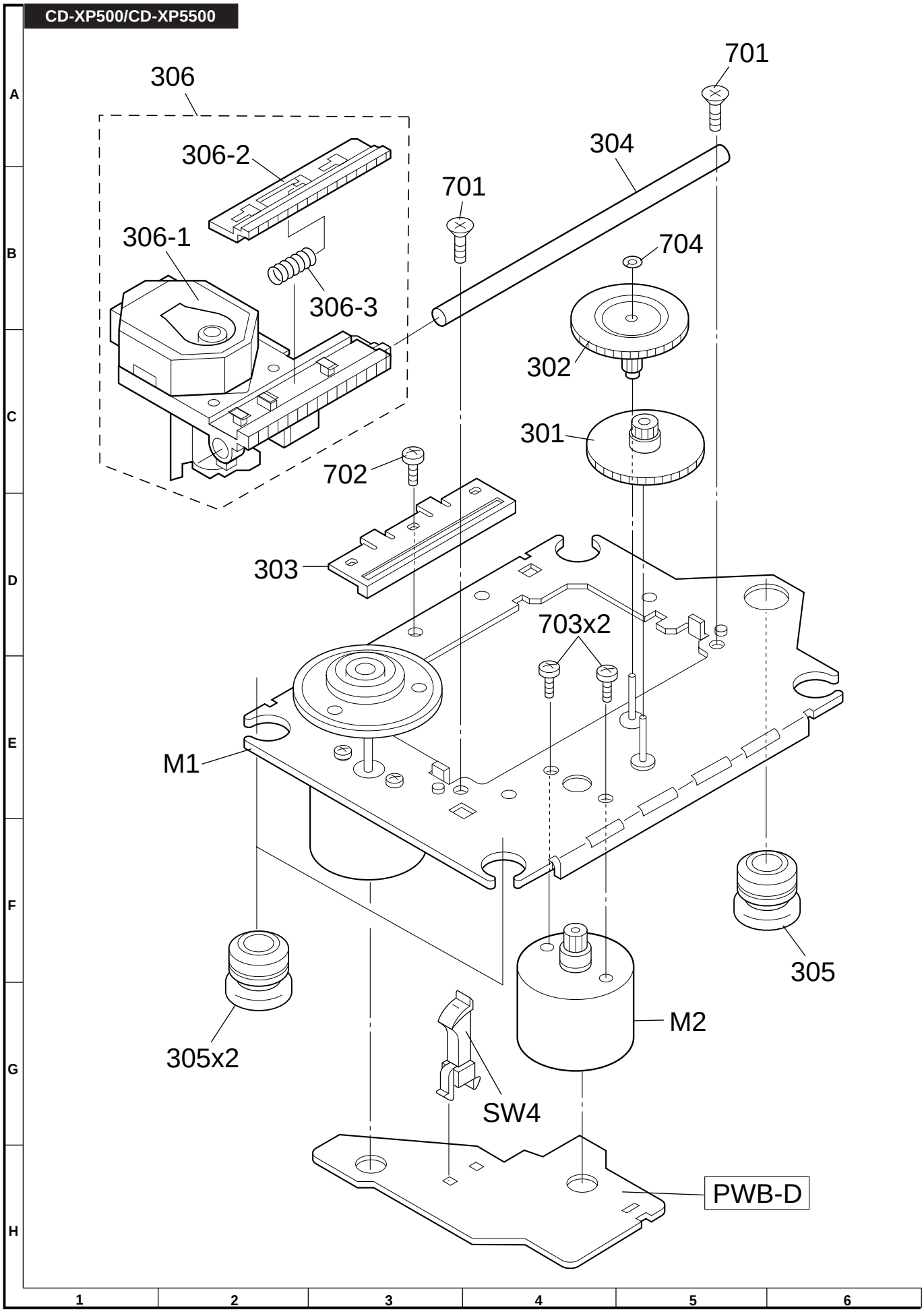
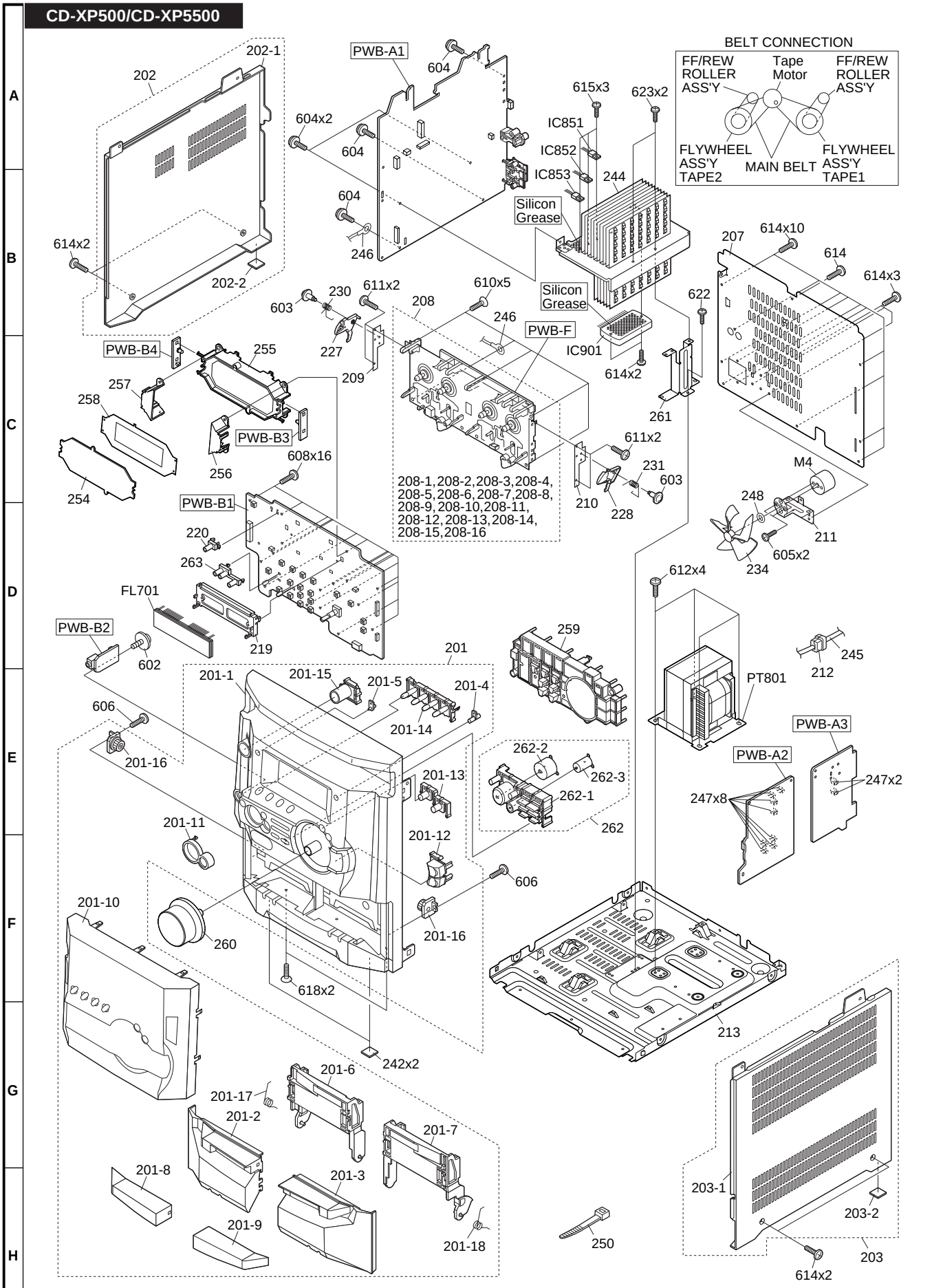


Figure 7 CD MECHANISM EXPLODED VIEW



Note: Only the unit and consumable parts are supplied as parts supply for the Tape mechanism.

Figure 8 CABINET EXPLODED VIEW (1/2)

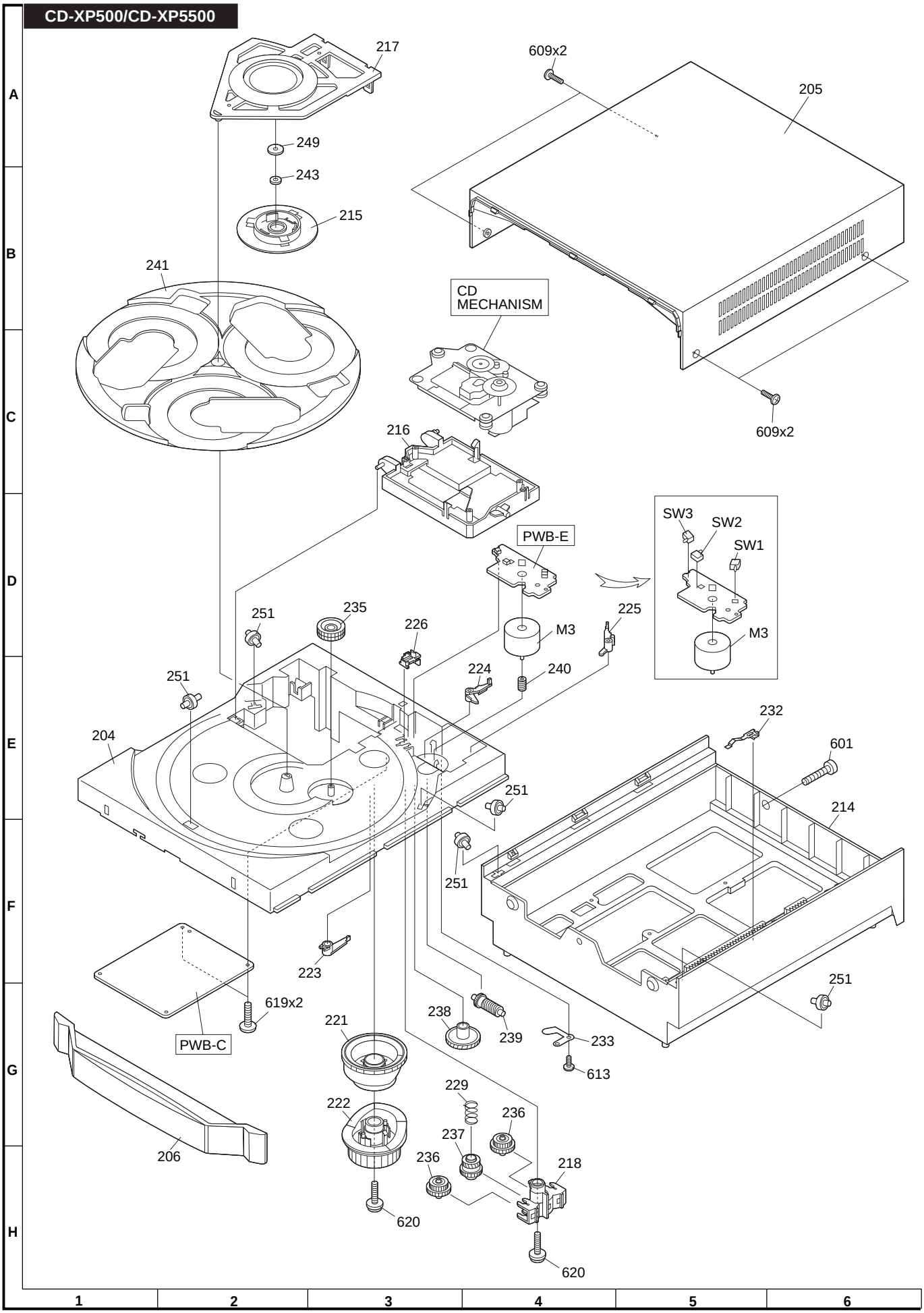


Figure 9 CABINET EXPLODED VIEW (2/2)

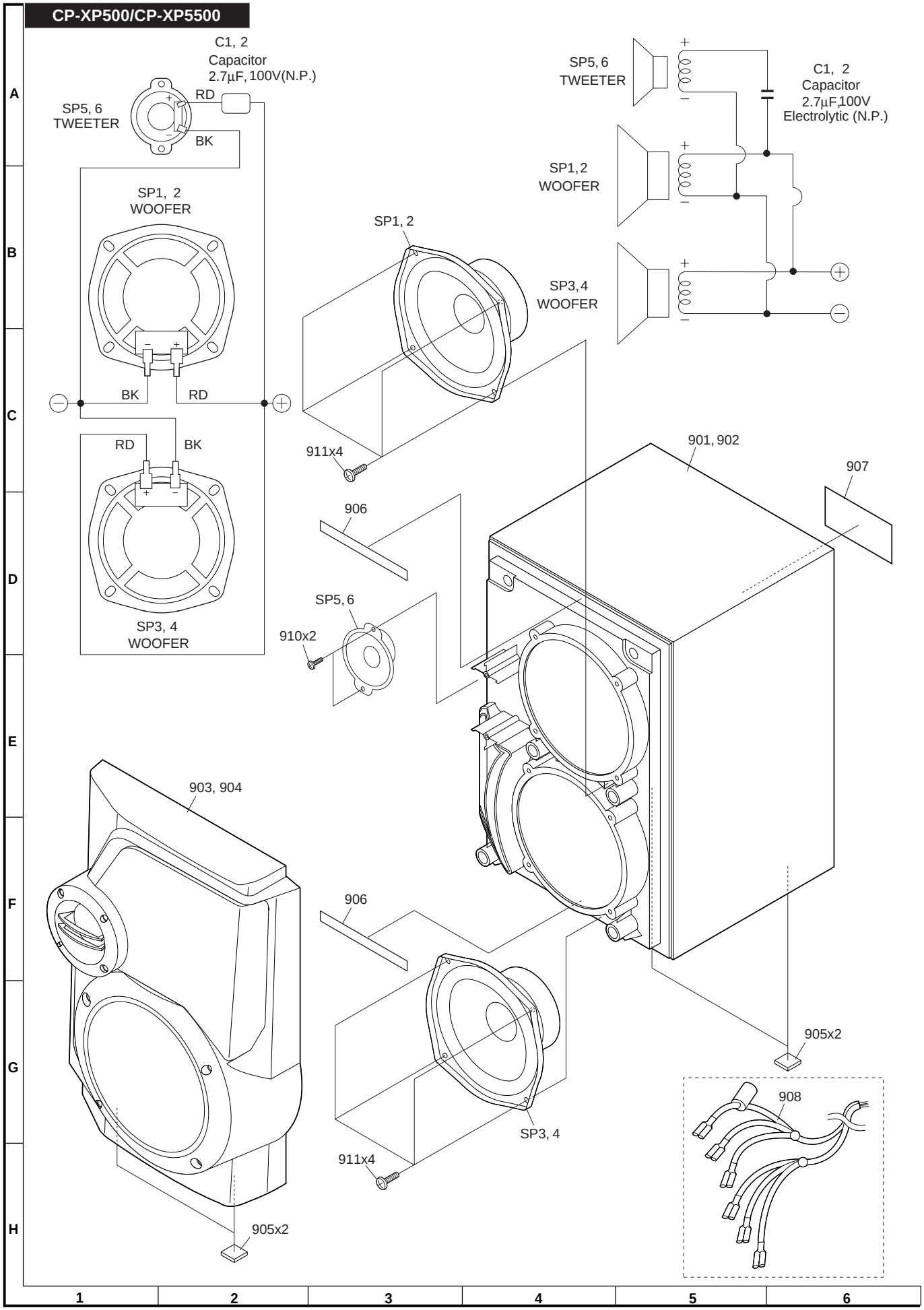
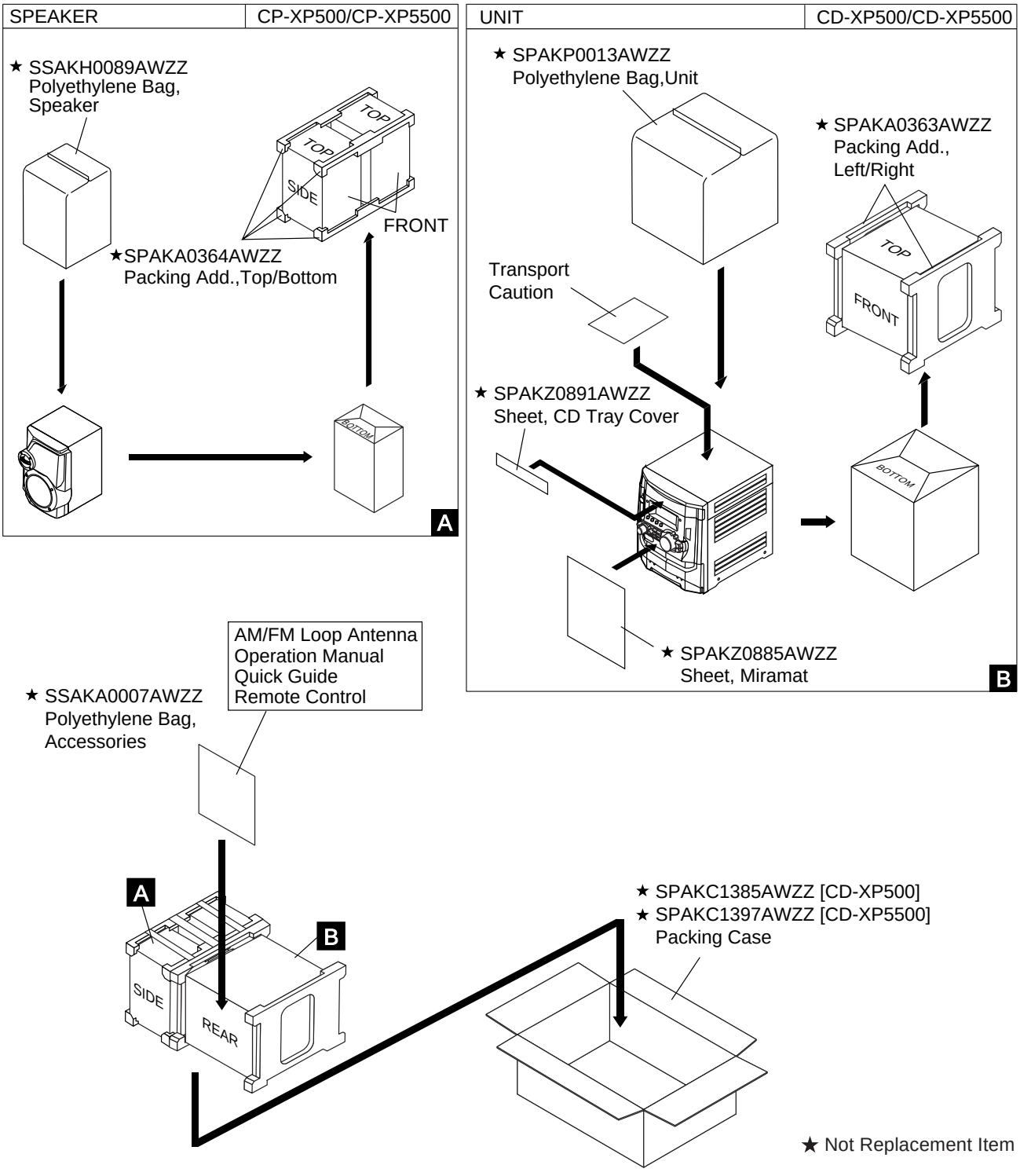


Figure 10 SPEAKER EXPLODED VIEW

PACKING OF THE SET (FOR U.S.A. ONLY)

Setting position of switches and knobs	
Tape Mechanism	STOP



★ Not Replacement Item

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